



COMS 465

Computer-Mediated Communication



- ❖ Presentation
- ❖ Final Examination
- ❖ CMC Careers & Opportunities
- ❖ Course Evaluation

Final Examination

❖ Study Guide

Course Conclusion

2 May
Conclusions
Projections

Career &
Course Eval
Final Exam

9 May - 2pm
Final Examination



COMS 465 – Computer Mediated Communication
Dr. David J. Gunkel
Final Examination Study Guide

The final examination is scheduled for 90 minutes and will consist of four parts.

I. TALK THE TALK (10 x 1 point each)

Define the following acronyms and technical terms. For the acronyms, you can either explain what they mean or spell-out their elements. (i.e. NSF = "A national organization that funds scientific research and education" or "National Science Foundation").

- MUD, MOO, CMC, IP, MMORPG, AI, CGI, EFF, CSA, RPG, ICT, VW, NTIA, CRT, RFID, FOSS, H2H, H2M, ToS, RL, WEP, DNA
- Procedural Rhetoric, Cyborg, Open Source, Cookies, Voodoo Doll, Mashup, Avatar, Digital Divide, LambdaMoo, Norrath, Bootleg, Gamification, Resolution, Cryptography, Virtual World, Antialiasing, Rasterization, Cybercrime, Cybernetics, Encryption, Pixel, Spacewar, Phishing, The Grey Album, Fair Use, Technological Determinism, Privacy, Amateur-to-Amateur, Social Contract, Transhumanism, Instrumental Theory of Technology, Musique Concrete, Sample, Axiology

II. IT'S WHO YOU KNOW (10 x 2 points each)

Briefly identify each person(s) listed below by indicating the contribution(s) s/he has made to the development of or debate concerning communication technology.

Edward Castronova, Manfred Clynes and Nathan Kline, Mr. Bungle, DJ Danger Mouse, Nipper, Anche Chung, Julian Dibbell, Alan Turing, Tomohiro Nishikado, James Carey, ELIZA, Brett Gaylor, Donna Haraway, Lev Manovich, Greg Gillis, Jibo, Amber Case, Aleph Molinari, Ralph Baer, Norbert Wiener, Atari, Sherry Turkle, John Locke, James Tenney, Dead Social, Thomas Hobbes, John Searle, Shimon, Kevin Warwick, Humanity+

III. SHORT ANSWER (5 x 8 point each)

Provide short responses (4-6 sentences) to the following questions:

1. According to Edward Castronova, a virtual world is a computer program with three defining characteristics. List and briefly explain the three defining characteristics of any virtual world.
2. The study of video games and gaming typically employs one of two methods: Ludology or Narratology. Define or briefly explain each of these two ways of studying video games.
3. Obviously the "rape" that Julian Dibbell describes as having taken place in cyberspace was not a physical event but a virtual occurrence. How did this violation take place? How can something like "rape" occur in cyberspace?
4. James Carey argues that there are two different ways by which one can perceive the process of communication. What are these two views of communication, and how do they differ from each other?
5. According to Donna Haraway, the cyborg names breakdowns in two crucial ontological boundaries. Describe the two boundary breakdowns that characterize the cyborg and provide an example that illustrates each one.
6. According to Lev Manovich, digital cinema is no longer an "indexical art." What does he mean by the phrase "indexical art?" And why is digital cinema no longer an indexical art?



Final Examination

❖ Format (4 Sections)

- Talk the Talk
- It's Who You Know
- Short Answer
- Essay

Final Examination

COMS 465: Computer-Mediated Communication
Mid-Term Examination
20 February 2002

Name: _____

The exam is divided into four sections. Follow the directions for each section and read all questions carefully. Responses to the first three sections (Tell the Tell It's, What You Know, and Short Answer) should be recorded on this paper. The response to the last section (Essay) should be written on the computer. Remember, if you do not know the answer to a question, skip it and come back to it later. All questions have been derived from course material and discussions. The questions in the first three sections have been directly extracted from the study guide.

I. TALK THE TALK (1)
Define the following technical
terms and acronyms. Example:
Protocol

1. ASCII

2. Packet Switching

3. TCP/IP

4. Latency

5. FAT

6. Bit

7. MIME

8. Protocol

9. DNS

10. Multitasking

Talk the Talk

- 10 questions x 1 point per question = 10 pts.
- Define technical terms and acronyms
- Evaluation
 - There are right answers
 - No partial credit

Final Examination

II. IT'S WHO YOU KNOW (2 points each)

Briefly identify each person(s) listed below by indicating the contribution(s) s/he has made to the development of or debate concerning computer-mediated communication.

1. J.C.R. Licklider

2. RAND

3. Linus Torvalds

4. Ray Tomlinson

5. Augusta Ada Byron

6. Ted Hoff

7. InternIC

8. Grace Hopper

9. Howard Rheingold

10. Charles Babbage

It's Who You Know

- 10 questions x 2 points per question = 20pts.
- Identify major figures by indicating the contribution(s) s/he has made to the development of or debate concerning computer-mediated communication
- Evaluation
 - There are right answers
 - Partial credit is available

Final Examination

III. SHORT ANSWER (8 points each)

Provide short responses (4-6 sentences) to the following questions:

1. The control unit of the computer's CPU manages four separate operations, called the machine cycle or processing-cycle. What are the four operations of the processing-cycle and what happens at each stage?

2. The evolution of computer technology and what is the history of computer technology?

3. James Carey argues that there are two views of the press. He calls them the 'transportation view' and the 'cultural view'. How do they differ from each other?

Short Answers

- 5 questions x 8 points per question = 40 pts.
- Provide short responses (4-6 sentences) for each question
- Evaluation
 - There are right answers
 - Partial credit is available

Final Examination

Essay

- 1 question x 30 points per question = 30 pts.
- Choose 1 of 4 options; write on one question
- Evaluation
 - There are not right or wrong answers to these questions; there are only well reasoned arguments.
 - You will be evaluated for your ability to construct and to substantiate your position.
 - Hints: Have a compelling thesis, evidence or arguments to support your thesis, and a conclusive ending.
 - You may use computer tools (spell check), Internet, books, and notes to complete the essay.

COMS 465: Computer-
Final Examination/Exam
6 May 2002
Prof. David Gunkel

IV. ESSAY (30 points)
Answer ONE of the following
support to prove your thesis.

1. Hypertext and hypertext
however, that this techno
Mark Amerika suggest th
producers and consumers
Does it provide an innov
extends current forms of
of hypertext and hypertext
reading and writing hypertext

2. Amy Brudman argue
the network is in the pro
impact our identities? H
cross-dressing illustrate t
any, are the dangers and

3. Virtual reality promises
generated, artificial environ
example, suggests that th
Jaron Lanier and Sergio
communication and the r
consequences of virtual r
threaten established prac

4. In a MCI television ad
race. There are no gender
Internet is presented as th
human beings. Is this pr
individuals communicate
technology or any techno



Final Examination

❖ Extra Credit

- 10 points
- Type of Questions
 - ◆ 6 definitions - tech terms and acronyms (1 point)
 - ◆ 2 general questions (2 points per question)

Final Examination

Procedure



COMS 465 – Computer Mediated Communication Dr. David J. Gunkel Final Examination Study Guide

The final examination is scheduled for 90 minutes and will consist of four parts.

I. TALK THE TALK (10 x 1 point each)

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- MUD, MOO, CMC, IP, MMORPG, AI, CGI, EFF, CSA, RPG, ICT, VW, NTIA, CRT, RFID, FOSS, H2H, H2M, ToS, RL, WEP, DNA
- Procedural Rhetoric, Cyborg, Open Source, Cookies, Voodoo Doll, Mashup, Avatar, Digital Divide, LambdaMoo, Norrath, Bootleg, Gamification, Resolution, Cryptography, Virtual World, Antialiasing, Rasterization, Cybercrime, Cybernetics, Encryption, Pixel, Spacewar, Phishing, The Grey Album, Fair Use, Technological Determinism, Privacy, Amateur-to-Amateur, Social Contract, Transhumanism, Instrumental Theory of Technology, Musique Concrete, Sample, Axiology

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III. SHORT ANSWER (5 x 8 point each)

Provide short responses (4-8 sentences) to the following questions:

1. According to Edward Castronova, a virtual world is a computer program with three characteristics. List and briefly explain the three defining characteristics of any virtual world.
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6. According to Lev Manovich, digital cinema is no longer an "indexical art." What does he mean by the phrase "indexical art?" And why is digital cinema no longer an indexical art?

Updated – 25 April 2016

COMS 465: Computer-Mediated Communication Mid-Term Examination 20 February 2002

Name: _____

The exam is divided into four sections. Follow the directions for each section and read all questions carefully. Responses to the first three sections (Talk the Talk, It's Who You Know, and Short Answer) should be recorded on this paper. The response to the last section (Essay) should be written on the computer. Remember, if you do not know the answer to a question, flip it and come back to it later. All questions have been derived from course material and discussion. The questions in the first three sections have been directly extracted from the study guide.

I. TALK THE TALK (1 point each)

Define the following technical terms and/or acronyms. For acronyms you may either explain what the acronym means or extract its element. Example: FTP = Permit the transfer of files; from one computer to another OR File Transfer Protocol

1. ASCII

2. Packet Switching

3. TCP/IP

4. Latency

5. Protocol

9. DNS

10. Multitasking

Study Guide

Examination



Final Examination

❖ Procedure

- Answer sections 1-3 and extra credit on the examination sheet
- Turn in your responses and pick-up section 4 (essay), which will be on a separate sheet
- Go to a computer and type your response to the essay; print it out and turn it in



Final Examination

- ❖ Questions
- ❖ Concerns

CMC Careers

❖ COMS 465

- Only a beginning
- Overview of CMC

❖ Future Direction

- Where do you go from here?
- Career Planning

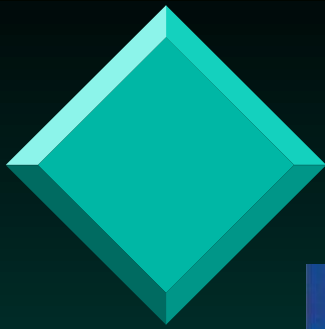




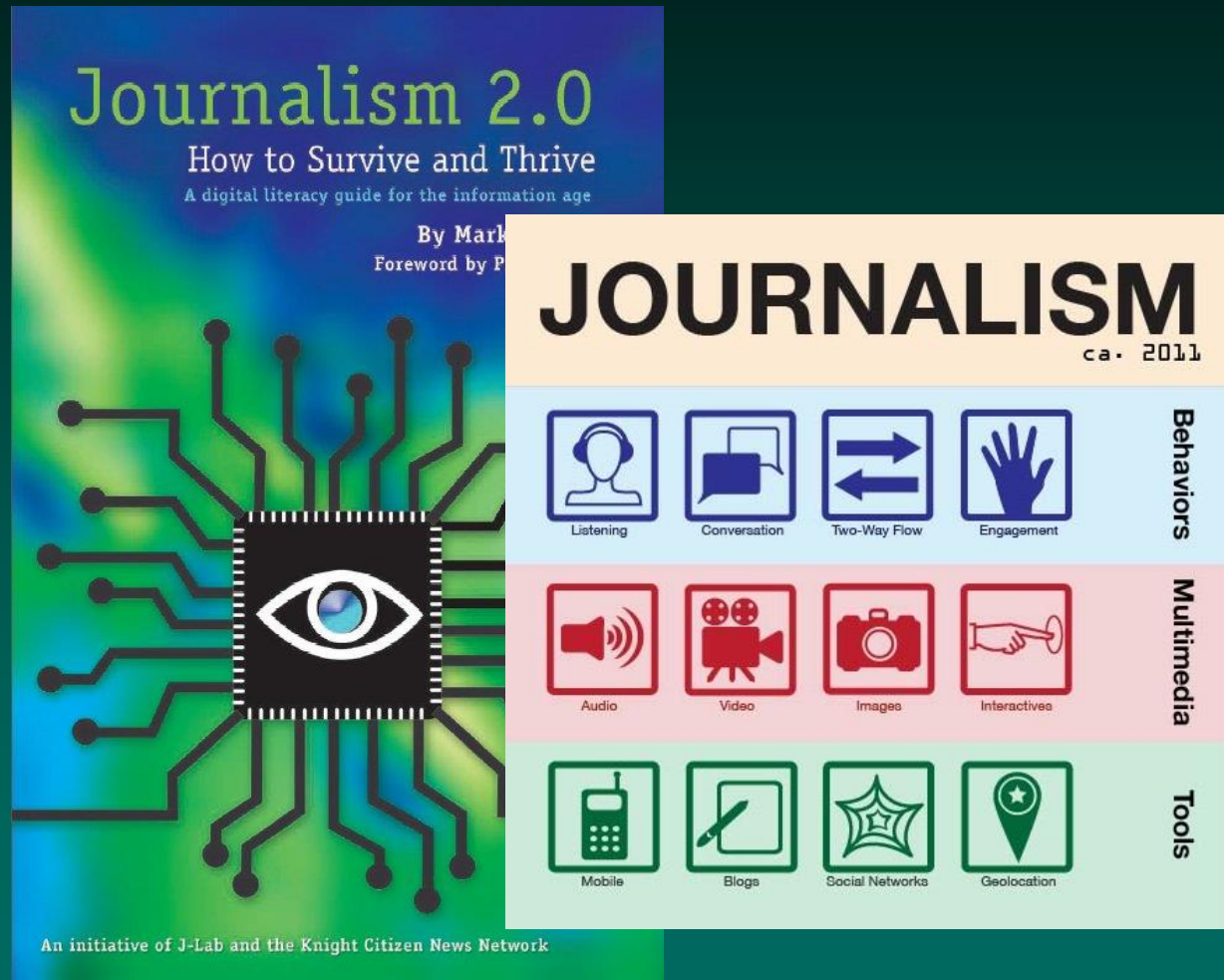
CMC Careers

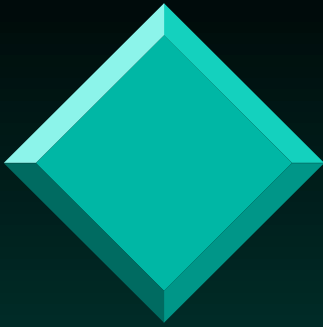
❖ Old Jobs / New Media

- Journalism
- Corporate Communications/PR
- Media Production (film & video)
- Law
- Library Science



Journalism





Journalism

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April 25, 2015

Company: **Gannett**
Position: **Producer**
Location: **Muncie, Indiana**
Job Status: **Full-time**
Salary: **\$25,000 to \$30,000**
Ad Expires: **May 30, 2015**
Job ID: **1617729**
Website: <http://gannett.com>

Description:

The Indiana Media Group, an award-winning news organization in Indiana, seeks a dynamic, digital-first producer to join our team to help us and produce and deliver compelling content across all platforms. If you love great journalism and social media, keep reading.

This Digital Producer provides advanced packaging and presentation across all platforms for the Muncie Star Press and Richmond Palladium-Item. The producer manages the delivery of content to digital and print platforms and meets deadlines. Works with planning editor, content coach, reporters, photographers and other producers to best display content on all platforms, using a high level of judgment and creativity. Collaborates with editors to maximize social media presence. Copy edits some content before publishing to digital platforms or handing off to a design studio.

Knowledge & Skills Required:

- An understanding of and curiosity about competition for our customers' time and money.
- Advanced knowledge of social media and how to engage fan base on digital platforms.
- Strong digital production skills and decision-making.
- Exceptional planning and organizational skills.
- Ability to interpret audience data.
- Ability to edit daily journalism.
- Self-motivation and self-direction.
- Exceptional core journalism skills (reporting, producing and editing).
- Effective communicator; able to get along with diverse personalities.
- Able to multi-task and excel under intense deadline pressure in a rapidly changing environment.
- Knows how to use time efficiently in a 24-hour news environment.
- Works collaboratively within a cross-functional environment.
- Must embrace peer-to-peer feedback and training.
- Applies innovative, creative thinking to support the company's goals.
- Writing, spelling, grammar, AP and local style. Command of media law and Principles of Ethical Conduct.

Experience Required for the Position:

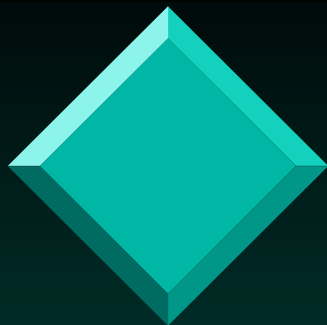
- Bachelor's in Communications, Journalism or equivalent in experience and education.
- One year of experience writing SEO headlines.
- One year of experience creating engaging on social media content.
- Experience with storytelling techniques on multiple platforms.

Please apply online at <http://bit.ly/1PvRS33>



Corporate Communications/PR





Description

Communications Coordinator (Social Media Specialist)

Parastar, Inc. is seeking a full time Communications Coordinator for our Southfield Michigan office.

Amazing Benefits

We offer competitive wages, a great benefits package including Short & Long Term Disability, 401k Retirement Program and tuition reimbursement in a professional work environment.

Professional Environment

If you are looking for a career in social media than this is your opportunity to work for a leader with updated technology, who's mission is to provide value-added consulting and management services designed to improve client results through system design and re-design, working knowledge, and technology.

Job Description:

Under the direction of the Vice President, Business Development, this position executes a wide range of projects to raise awareness and improve understanding and support for Parastar and Community EMS as well as its affiliates and multiple service lines, programs, services and events. This position works to integrate traditional media, web-based communications and social media tactics to assure consistent messages are delivered. Serves as a liaison with web development contractors and works with various technical support teams to ensure all channels of web-based communication are operational.

Requirements

Requirements:

Education / Training: Requires a level of knowledge normally acquired through the completion of a Bachelor's Degree in communications, journalism, marketing communications or related field. Extended coursework in development of web content and design is desirable.

Work Experience: Requires a minimum of three to five year progressively more responsible demonstrated experience in public relations or marketing with experience in development of web content and communication plans.

Contacts and Communications: Requires excellent written and oral communication skills to interact frequently with the public and news media, business units, health system partners, fire department clients and department staff. Requires the ability to develop effective communications and content for a variety of media sources.

Analytical Demands: Requires highly developed and creative problem solving skills. Requires excellent organizational and project planning skills to handle multiple projects and tight deadlines.

Computer Skills: Advanced computer skill. Demonstrated proficiency with Microsoft programs (word, power point, etc). Proficient with Facebook, LinkedIn, Twitter and other social media sites. Requires basic knowledge of effective web content design and development. Familiarity with multiple communication channels and social media tactics, limitations and/or restrictions.

Certification, Licensure, Registration: None required.

Other Qualifications: Ability to use digital camera equipment to take event photos and post to website and newsletters.

Working Conditions:

Physical Effort: Minimal physical effort. May be required to stand for extended periods during special events. Some light lifting and transport of marketing materials may be required.

Work Environment: Work is typically performed in a normal office environment. May be required to work off-shift hours and participate/attend meetings, programs and other events off-site. Requires own transportation to off-site events and meetings.

Equipment Used: Computer, printer, fax, scanner, telephone and digital camera

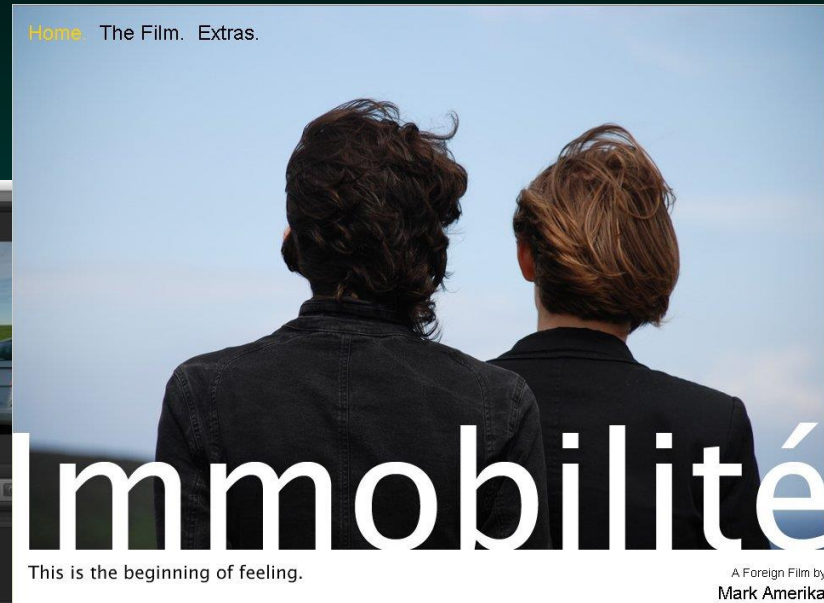
If you are interested, please submit a current copy of your resume and a letter of interest to:

Colleen Schmerheim

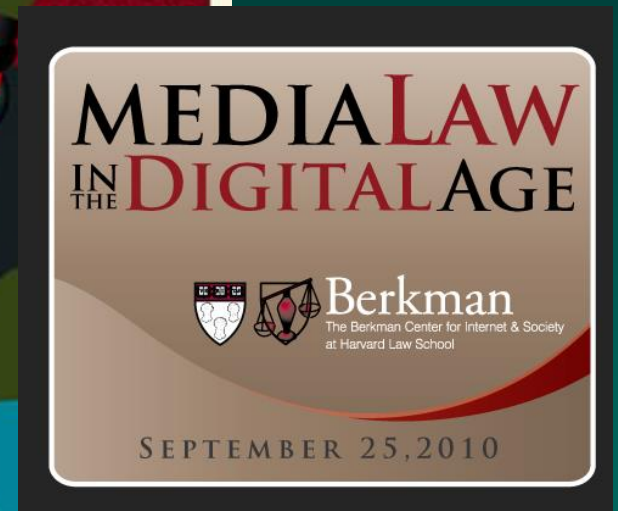
Human Resource Generalist/Parastar



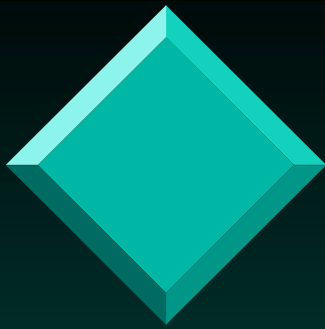
Video & Film



Intellectual Property Law



Auto req ID	236BR
Title	Content and Production Counsel
Location	New York
Job Description	<p><u>Position Summary:</u></p> <p>Experienced attorney with expertise in pre-broadcast review, intellectual property; 1st Amendment; causes of action common in entertainment and media industry cases, including privacy, defamation; to perform legal analysis, risk assessment, issue spotting, and ongoing support of A+E Networks. Work closely with creative executives in programming and marketing, IP and litigation attorneys, Standards and Practices team, and others.</p> <p><u>Primary Responsibilities:</u></p> <p><u>Pre-Broadcast and Production Counseling:</u></p> <p>Support V.P. of Content Production and Risk in advising network and studio executives on legal risk and viability of program concepts, program content and marketing campaigns, working closely with creative teams to find solutions to legal and other impediments to program concepts.</p> <p><u>Risk Management and Insurance Advice:</u></p> <p>Manage relationships with brokers and insurers for all lines of coverage across the enterprise (including General Liability, Property, Directors & Officers, Media Liability/E&O, Crime and others), working with supervisor to determine levels of coverage and approve carriers and policies; help manage insurance claims and resolve coverage issues. Implement and update proper strategies to protect the Company from financial losses and legal claims.</p> <p><u>IP and Litigation Advice and Support:</u></p> <p>Provide support to Intellectual Property and Litigation teams with legal analysis and practical support in all areas, including Trademark and Copyright filings and enforcement of IP rights and defense claims.</p> <p><u>General Legal Advice:</u></p> <p>Analyze legal and other risk factors and counsel clients in connection with longer-range projects and urgent and emergency matters where legal, reputational, or safety and security risks need to be evaluated.</p>
Qualification Requirements	<p>5 - 7 years of legal practice desirable</p> <p>Minimum two years relevant law firm experience or 2 years' experience in television law department</p> <p>In-house media law practice highly desirable.</p> <p>Must have highest level oral and written communication skills and ability to handle high volume of projects simultaneously.</p>
Educational Requirements	J.D., admitted to New York Bar



Library Science



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Digital Librarian

[+ SHARE](#)

**Cigna Healthcare,
Open to Any Location, USA**



Salary: \$95,000 to \$110,000

Status: Full-time

Posted: 03/05/12

Deadline:

Digital Librarian

This is an exciting leadership role and the incumbent will manage a team of seven (7) individuals in a virtual work environment. We are open to any location for the viable candidate.

Typically, the Digital Librarian is an employee of a company which may either be a hospital, an association, a government department or a private business who take care of the significant data files and written materials belonging to it. They have detailed understanding of how to find and organize information on any topic, which can assist with establishing standard methodologies for cataloging, storing, updating, and monitoring knowledge, who is using it, and how effective it is.

Today, many of the tasks are internet based as most data is electronic and therefore research is often done through the use of data networks.

As corporate digital librarians, you should possess a very good interpersonal skills and strong communication skills both in oral and in written form.

The viable candidate should be skilled on the concept of concise writing and an ability to make information easy to locate.

Strong organizational skills in electronic records management, document classification and overall organization are required to bring a repeatable logical schematic to the business.

The ability to manage and improve knowledge through benchmarking our Cigna knowledge to the library industry/methods/processes, and improving overall knowledge sharing methods.

Demonstrated ability to share best practices and standards in content maintenance including the storing, archiving, and taxonomical layout is also a requirement.



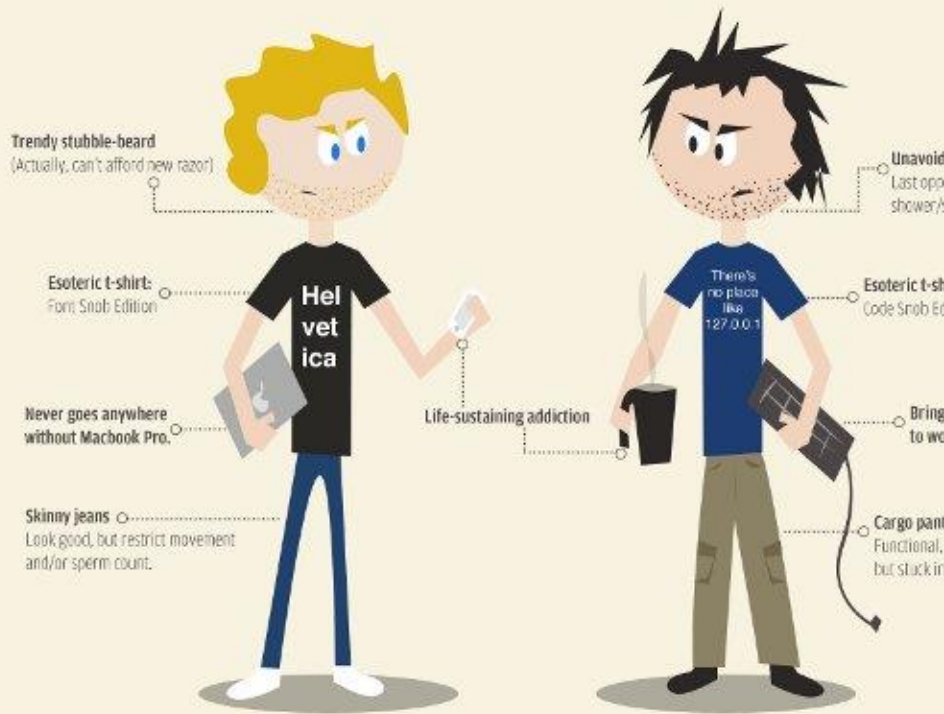
CMC Careers

❖ New Media / New Jobs

- Web Design and Programming
- Content Development & SEO Writing
- Game Design & Programming
- Cyber Security and Encryption
- Connectivity
- Artificial Intelligence
- Virtual Reality/Augmented Reality

Web Design & Programming

WEB DESIGNERS VS WEB DEVELOPERS



Function `function zed() { return 0; }`

```
function sum(x,y) {           // definition
    return x+y;               // return value
}
var n=sum(5,5); assert(n == 10); // call

function sum1(x,y) { return x+y }; // 3 ways to
var sum2=function(x,y) { return x+y; } // define a
var sum3=new Function("x","y","return x+y;"); //function
assert(sum1.toString() == // reveals definition code, but
    "function sum1(x,y) { return x+y; }"); // format varies

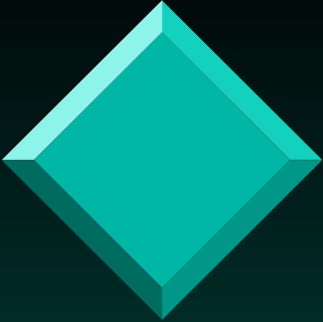
function sumx() {             // Dynamic arguments
    var retval=0;
    for (var i=0; i < arguments.length; i++) {
        retval+=arguments[i];
    }
    return retval;
}
assert(sumx(1,2) == 3);
assert(sumx(1,2,3,4,5) == 15);
```

\$47,820
Web Designer
Median Salary



\$85,430
Web Programmer
Median Salary

Web Design & Programming



4SIGHT Communications is looking for a Web developer - Mozilla Firefox

File Edit View History Bookmarks Tools Help

http://jobs.37signals.com/jobs/2518

Google

37signals Job Board or visit the [Gig Board](#)

Companies such as The New York Times, CNET, Facebook, Adobe, Trek, and American Express use this Job Board to reach today's best and brightest web minds. [Discover why](#) this job board will find you better people than other job sites.

37signals

Web developer at 4SIGHT Communications

Location: Chicago, IL
URL: <http://www.4sightcommunications.com>

Description
4SIGHT Communications has an immediate need for the right experienced web application developer. We're a growing 6-year-old boutique online marketing firm that is in the process of developing a suite of web applications for a niche market. To be the right fit for this position, you must have a solid understanding of browser technologies such as XHTML, CSS, AJAX, and Javascript and a strong working knowledge of web technologies such as PHP, Ruby, or JSP. You should also be creative problem solver, good communicator, a proven self-starter, and have an eye for design. Your time will be split between working on very engaging client projects and building an in-house Ruby on Rails application. Candidates located in Chicago or Seattle are preferred.

To apply
Send a resume and cover letter to careers@4sightcommunications.com

Go to: [All programming jobs](#), [All jobs](#), [Signal vs. Noise blog](#)

Done

Content Development & SEO Writing



what:

SEO Writer

job title, keywords or company

where:

Bothell, WA

city, state, or zip

Find Jobs

Advanced Job Search

Exciting Opportunity for an SEO/Web Content Writer

Scotsman Guide Media Inc. - Bothell, WA

Scotsman Guide Media Inc. is seeking a savvy SEO/Web content writer for its well-established business as well as an exciting opportunity with a new online startup. This critical role — mostly with the new startup — substantially contributes to the startup's lead-generation goals, brand building and marketing. The content also aims to inform and educate site visitors on residential and commercial real estate finance topics, a variety of loan types and financing issues.

Key Responsibilities

- Plan, write, update and maintain content for the startup's site pages, marketing materials and emails, social networking sites, press releases, etc.
- Collaborate with editors, designers, website developers and other stakeholders to develop content that is on brand and consumer-centric, and supports strategic priorities
- Deliver measurable results through the use of SEO principles, analytics, creative expertise and understanding of the digital environment
- Write and edit long-form articles and news articles as well as concise descriptions and informational content
- Monitor and analyze competitor sites and bring recommendations for content production and tracking
- Build and maintain social media presence

Required Knowledge

- Understanding of best practices regarding SEO, landing pages, and landing-page conversion
- Proven record and knowledge of online marketing/SEO trends and best practices
- Digitally savvy with a passion for news, products and trends specifically as it pertains to content and copy for digital marketing
- Ability to develop ideas and messages around business and marketing objectives and apply strategic thinking to creative problems
- Ability to balance multiple priorities and meet deadlines
- Strong verbal and written communication skills
- Solid grasp of AP Stylebook guidelines in terms of grammar usage, spelling, punctuation, etc.
- Attention to detail and ability to proof digital content
- Ability to work unsupervised, as well as in cross-functional teams
- Customer-centric mindset

Education and Qualifications

- Bachelor's degree in marketing, creative writing, journalism, communications (or similar) desired
- Fluency in web analytics tools, social media marketing applications, and leading social media monitoring platforms
- 3-5 years of experience in writing for a consumer-centric site
- Knowledge of HTML and SEO
- Working knowledge of Content Management Systems

Scotsman Guide Media Inc. is an Equal Opportunity Employer with a drug-free workplace. We offer competitive pay, generous paid time off, full benefits and an upbeat work environment.



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About this company

Scotsman Guide Media Inc.

Scotsman Guide Media publishes a residential edition and a commercial edition of Scotsman Guide, in addition to lender searches, directories...

Game Design & Programming





Jobs

Full-time/New Grad Product Manager - Upcoming or Recent Grads Only
San Francisco, CA, United States

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[Apply Now](#)

If you have not yet graduated and are currently in your final year or term of a bachelor's, master's, or PhD program, or are within one year of having obtained your degree, then you are eligible to apply for one of our New Grad Product Manager positions.

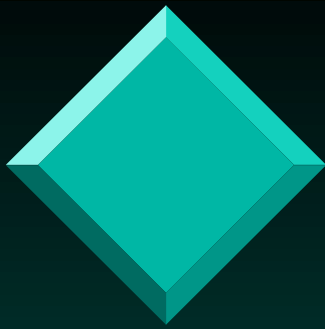
We're currently searching for New Grad Product Managers for our locations throughout North America who are fanatical about games and want to be part of one of the most exciting industries to emerge! We're looking for students who have a demonstrated track record of high performance, teamwork, passion for games, and the ability to work in an extremely fast-paced environment.

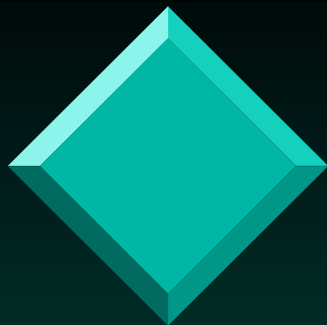
This position is a heavily metrics-driven role, requiring depth in analytics, statistics, and/or forecasting. Product Managers can be located across a number of different types of teams and roles at Zynga. For example, the Product Managers who are working on features within our game teams focus on designing, executing, and optimizing features within the game. Other Product Managers are developing revenue plans and execution strategies for their game studios. Regardless of specific team or role, our PMs provide experience, direction, and measurable performance to the games and/or teams they're on.

Required Skills:

- Strong analytics skills a must
- Relevant past exposure to a product management, producer, or project manager role is helpful
- Passion for creating fun, compelling and addictive user experiences
- Experience with metrics-driven decision making
- Passion for writing product specifications and white papers
- Outstanding written and oral communication skills
- Strong organizational and analytical skills with attention to detail
- Demonstrated capacity for developing and understanding strategy
- Strong aptitude for determining the optimal way to position products in the market
- Enthusiastic, performance-driven self-starter and team player
- BA, BS, or MBA degree.

CyberSecurity & Encryption





Job Description

Job Title: Cyber Security Research Scientist
Job ID: 13666
Location: RTP, NC 27709

[Email to Friend](#)[Save Job](#)[Apply Now](#)[Return to Previous Page](#)

Job Description

The Research Computing Division at RTI International has an opening for a Research Scientist to conduct innovative research in cyber security. A fundamental understanding of cyber security issues and technologies, experience with interdisciplinary research, and demonstrated excellent verbal and written communication skills are essential. This position location in RTP, NC

Responsibilities

- Lead research projects and collaborate on research led by other RTI scientists.
- Contribute to and lead proposals for new funding in cyber security research.
- Participate in marketing and business development activities.
- Contribute to RTI's scientific stature through publications and external presentations.

Qualifications

Required:

- M.S. and 9 years of experience or Ph.D. (preferred) in Computer Science or related discipline and 6+ years of experience in cyber security research.
- Experience in obtaining research funding
- Strong publication record

Preferred:

Expertise in one of more of the following:

- Mobile device security
- Automated methods for software assurance
- Network security
- Usable security
- Cyber analytics
- Adaptive systems
- Formal verification methods



facebook
10 YEAR ROADMAP



Planetary
Connectivity



Natural
Interfaces



Immersive
Experiences

3

Facebook



ECOSYSTEMS

Video



Messenger



Search



WhatsApp



Groups



Instagram



PRODUCTS

10

Connectivity



Drones

Satellites

Lasers

Solutions

Telco Infra

Free Basics

AI



Vision

Language

Reasoning

Planning

VR / AR



Mobile VR

Rift

Touch

Social VR

AR Tech

TECHNOLOGIES

Mark Zuckerberg – F8 Facebook Developer Conference 2016

<https://developers.facebook.com/videos/f8-2016/keynote/>



CMC Careers

❖ Skills/Knowledge

- Technology
- Communication (oral & written)
- Critical Thinking / Analytic
- Teamworking / Project Management



CMC Careers

❖ Education

BA or BS

- ◆ Journalism
- ◆ Public Relations
- ◆ Film and Video
- ◆ Web Design and Programming
- ◆ Content Development and SEO Writing
- ◆ Game Design and Programming

MA/MS/MFA

- ◆ IP Law
- ◆ Library Science
- ◆ Instructional Technology
- ◆ CyberSecurity and Encryption
- ◆ Artificial Intelligence and Robotics

CMC Careers

NIU courses – Tech Skills

COMS 359

Interactive Media Production I

Dr. David J. Gunkel
Department of Communication
Northern Illinois University
Spring 2016

NIU - Computer Science - Mozilla Firefox
File Edit View History Bookmarks Tools Help
http://www.cs.niu.edu/

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NORTHERN ILLINOIS UNIVERSITY

COLLEGE OF LIBERAL ARTS & SCIENCES
DEPARTMENT OF COMPUTER SCIENCE

Prospective Students Undergraduates Grad Students Alumni Prospective Employers

Home
About Us
Undergraduate Program
Graduate Program
Internships
Cybersecurity Program
Faculty and TA Directory
Courses
Resources & Publications
Information Technology Training
Contact

Department of Computer Science
Psychology-Computer Science Building, Room 460
Northern Illinois University
DeKalb, IL 60115 USA

Phone: 815.753.0378
Fax: 815.753.0342
Office Hours: Monday-Friday, 8:00-Noon & 1:00-4:30pm

General Information

- About the Department
- The ACM
- Microsoft's Academic Alliance
- Information Technology Training
- NIU's Truth in Tuition Policy
- NIU Linux Users Group

Announcements and Special Events

- Grad student Tony Zhang's Mainframe Programming Environment Simulator
- NIU's new high-performance computer cluster
- CS Alumnus Wheeler G. Coleman joins NIU Board of Trustees
- NIU student computer whizzes prove to be 'mainframe masters' in annual IBM contest. NIU had twelve Part 2 and four Part 3 winners!
- Nic Borg (B.S. 2008) on Bloomberg TV, in Time Magazine's online edition, and

Opportunities

- Now offering courses for programming Apple, Android, and Microsoft mobile devices!
- Research and Development Internships (RDI)
- Computer Science Minor
- Interested in Computer Science as a second degree?

A Message From Nicholas Karonis, Chair

The NIU Computer Science Department has been successfully educating computer professionals for more than 30 years. Our programs keep pace with industry demands for well-trained graduates who are

Done

CMC Careers

Graduate Programs - NIU

The image displays three overlapping screenshots of Northern Illinois University (NIU) websites, illustrating various graduate programs and career opportunities.

Top Left Screenshot: NIU - Department of Communication

- URL: <http://www.comn.niu.edu/>
- Section: Department of Communication, College of Liberal Arts and Sciences
- Navigation: Future Students, Current Students
- Content: Contact Us, Undergraduate Program, Graduate Program, Faculty & Staff Directory, Advising, About the Department Home
- Follow Us On: Facebook, Twitter, YouTube
- Latest News: Northern Illinois University Department of Communication on Facebook (286 likes), Faculty News: Congratulations to Judy Santacaterina who was selected as a recipient of the "Women Who Make a Difference Award" by the Presidential Commission of the Status of Women.

Top Right Screenshot: Instructional Technology - NIU - Educational Technology, Research & Assessment

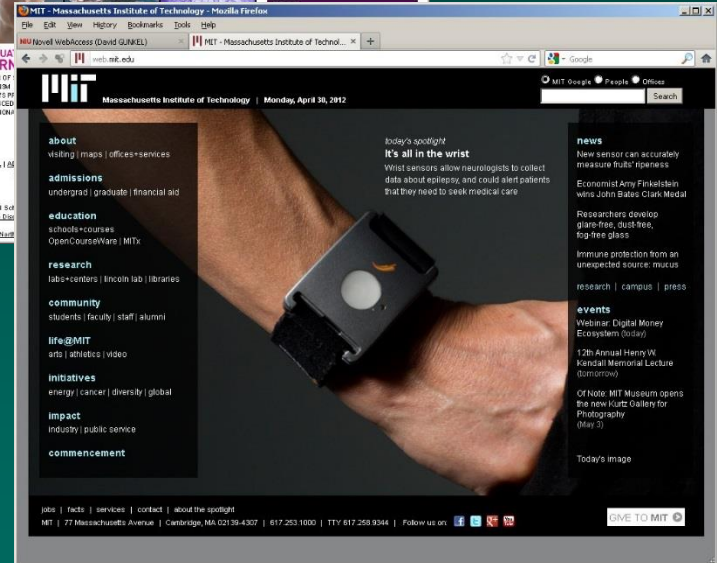
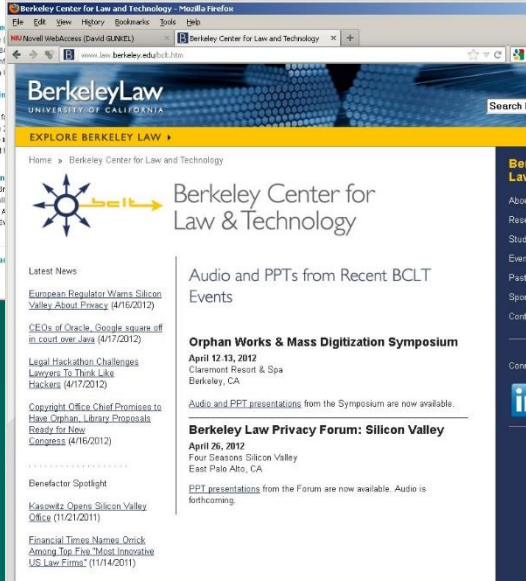
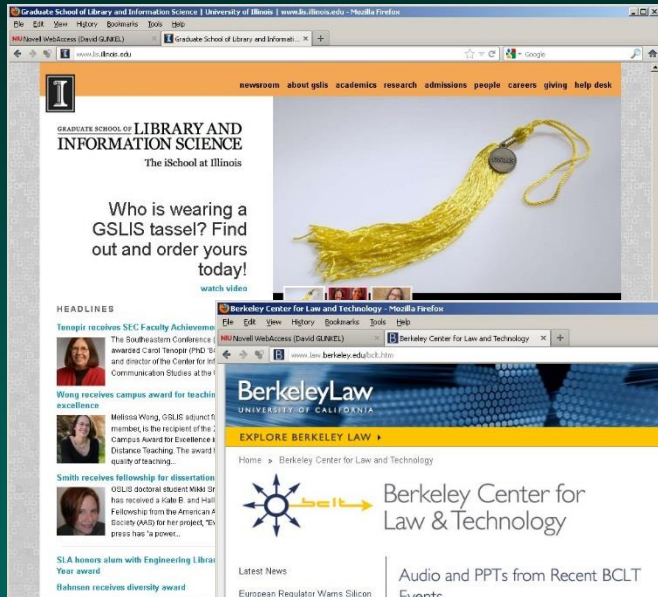
- URL: <http://www.cedu.niu.edu/etr/index.shtml>
- Section: COLLEGE OF EDUCATION, EDUCATIONAL TECHNOLOGY, RESEARCH & ASSESSMENT
- Navigation: Students, Faculty & Staff
- Content: About ETRA, Educational Research & Evaluation, Instructional Technology, Library Information Specialist, Technology Specialist, Tech Specialist Online Cohort, Field Experiences, Resources, News & Events, College of Education Home, ETRA Home
- Master's Program (M.S.Ed.): The master's program (M.S.Ed.) in Instructional Technology provides specialized training to those persons who wish to be employed as school library information specialists, technology specialists, instructional developers in business and industrial training departments, or as producers of software in a variety of locations.
- Certificates of Graduate Study: Children's and Young Adult Literature/Media, Museum Studies (Education), Workplace Learning and Performance

Bottom Screenshot: About the College of Law - NIU

- URL: <http://www.niu.edu/law/aboutus/index.shtml>
- Section: NORTHERN ILLINOIS UNIVERSITY, College of Law
- Navigation: About Us, Prospective Students, Current Students, Faculty/Staff, Alumni, Giving
- Content: Message from the Dean, Mission Statement, Alumni Council, Board of Visitors, Calendars, News & Events, College of Law Directory, Serving the Community, Contact Us, About the College of Law Index, College of Law Home
- About the College of Law: Northern Illinois University College of Law is a young and dynamic school offering its diverse student body a broad perspective of the law through high-quality programs and practical-skills training taught by well-respected, dynamic faculty of equal diversity. The campus is located just over an hour from Chicago in the tranquil suburban setting of DeKalb, Illinois. As the only public law school in the greater Chicago area, the Northern Illinois University College of Law was founded on a core belief that a high quality, challenging legal education should not be cost prohibitive. In its history, NIU Law has built a proud tradition of graduating students not only skilled in legal knowledge and practice, but also imbued with a high degree of community responsibility, committed to serving the needs of a diverse and ever-changing society.

CMC Careers

Graduate Programs





CMC Careers

❖ Education - Hybrid approach

– Tech specialization

- ◆ COMS & Computer Science
- ◆ COMS & Instructional Technology
- ◆ COMS & Cybersecurity Certificate

– Content specialization

- ◆ COMS & Instructional Technology
- ◆ COMS & Library Science
- ◆ COMS & IP Law



CMC Careers

❖ Questions





Course Evaluation

❖ Purpose

The goal of the University is to recognize effective teaching as an important criterion in the evaluation of faculty members for matters of salary, promotion, and tenure. Your assessment of teaching effectiveness is an important part of that process; evaluations go to the personnel committee as well as to the faculty member after the semester has ended and grades are recorded. Be fair and objective in rating your professor.



Course Evaluation

❖ Procedure

- Questionnaire & Scantron sheet
- Use #2 pencil on Scantron
- Write comments on back of questionnaire;
All responses will remain confidential and
will not be reported until grades are posted.
- Moderator
 - ◆ Collect questionnaire and scantron sheets
 - ◆ Return to WH 209

Course Evaluation

NORTHERN ILLINOIS UNIVERSITY Testing Service

Instructions: Using a soft pencil, fill in the circles. Do not use a pen or sharpener. Do not use a sharpener only on the back of the card.

LAST NAME: **GUNKEL**

ID NUMBER: **599746501**

DEPT.: **COMS**

COURSE: **465**

DATE: MON. / DAY / YR.

Poor ☒ Good ☒

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