

# Roland G. Scott

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## Objective

To obtain a faculty position at a teaching-oriented university in the upper Great Lakes area.

## Education

<b>PhD: Computer Science</b> Research area – microarchitecture design Michigan Technological University – Houghton, Michigan	Expected May 2010
<b>MS: Computer Science</b> Michigan Technological University – Houghton, Michigan	Dec. 2007
<b>BS: Computer Science</b> Northern Michigan University – Marquette, Michigan	May 2005
<b>BS: Philosophy</b> Northern Michigan University – Marquette, Michigan	May 2005
<b>AA: Music</b> (Highest Honors) Northwestern Michigan College – Traverse City, Michigan	May 2001

## Teaching Experience (Michigan Technological University)

### **CS1131: Computer Science I – 3 semesters total, Fall 2005 through Fall 2007**

Course description:

An accelerated introductory Java programming class combining two semesters into one.  
Covered: program design, code style, documentation, testing, container classes, class hierarchies, polymorphism, simple data structures and recursion.

### **CS1121: Introduction to Computer Science I – 4 semesters total, Winter 2005 - Summer 2006**

Course description:

An introductory Java programming class.  
Covered: program design, code style, documentation, testing, container classes and simple hierarchies.

Responsibilities:

- Created lectures and accompanying slides for both classes
- Designed websites and maintained on-line content for both classes
- Delivered four/two lectures each week for cs1131/cs1121
- Designed eight/four significant programming assignments each semester for cs1131/cs1121
- Created and administered weekly lab assignments for cs1121
- Managed an undergraduate student grading assistant for cs1131
- Wrote and graded quizzes and three major written exams each semester for cs1131
- Wrote and graded tri-weekly quizzes and the final exam each semester for cs1121

Student Opinions

In agreement with this statement on anonymous end of semester rating forms:

*“Taking everything into account, I consider this instructor to be an excellent teacher.”*,  
received the following mean scores:

- 4.67 / 5.0 on a total of 130 responses for cs1131
- 4.46 / 5.0 on a total of 127 responses for cs1121

## Academics

- 4.0 / 4.0 GPA at Michigan Tech
- Passed four separate four-hour PhD qualifying exams in the following areas:
  - Computational theory
  - Algorithms design and analysis
  - Microarchitecture design
  - Compiler theory and design
- Dean’s list every semester at NMC and NMU (cumulative GPA of 3.97/4.0)
- NMU philosophy department’s “Outstanding Graduating Senior,” 2005
- Certificates of Achievement in Mathematics and Music from NMC

## Languages and Technologies

<u>Very proficient</u>	<u>Proficient</u>	<u>Familiar</u>	<u>Have Used</u>
- Java	- C++	- SQL	- Perl
- C	- Shell scripting	- Javascript	- Lisp
- HTML	- LaTeX	- CGI	- Prolog
- CSS	- PHP		

## Editors and Operating Systems

<u>Very proficient</u>	<u>Proficient</u>	<u>Familiar</u>
- Linux OS	- Windows (3.1 – Vista)	- Mac OSX
- Eclipse IDE	- Kate	- MS-DOS
- Vim / Vi	- Nano	- Gedit

## Organizations

**Upsilon Pi Epsilon** International Honor Society for Computing and Information Disciplines

- Member in good standing, 2006 - present
- MTU Zeta chapter treasurer, 2007 - 2008 academic year
- MTU Zeta chapter historian, 2008 - present

**Computer Science Graduate Student Organization**, MTU

- Political Colonel, 2006 - present: liaised between CS graduate students and faculty
- Webmaster, 2006 - present: designed and implemented CSGSO website

**Catholic Campus Ministry**, NMU

- Peer minister, 2002 academic year: Organized and presided at student social activities, recruited new members, presented talks to high school students, etc...

## Activities

- MTU Graduate Student Council Summer Softball League
- Intra-departmental 3 on 3 basketball at MTU
- NMU and MTU fencing clubs
- Intramural Ultimate Frisbee at NMU

## Other Experience

### **Web Programmer: Summer 2005**

#### ***Career Center, Michigan Technological University: Houghton, MI***

- Converted Career Center website from an ASP to a PHP back-end.
- Enhanced the frequently used Career Day registration system.
- Created MySQL relational database and interfaced it with the on-line registration system.
- Maintained updates for several months after work was done.

### **Foreman and Laborer: Summer 2004**

#### ***M-3 Construction, Marquette, MI***

- Interpreted blueprints and local building codes.
- laid out and assembled floor joists, floors, walls, windows, doors, trusses and rafters.
- Was appointed temporary supervisor in prolonged absence of usual foreman.

### **Student Assistant: Academic Years 2002 – 2005**

#### ***Instructional Media Services, Northern Michigan University: Marquette, MI***

- Delivered and assisted with multimedia equipment in the classrooms including TV, VCR, digital video projectors, and laptop computers.

## References

*Available upon request*