

JEFFREY M. TYSON

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EDUCATION

University of California, Santa Barbara

Santa Barbara, CA

Master of Computer Science

2009–2011

GPA: 3.75/4.00

Master's project: Expanding the *Phantom* Anonymous Communication Protocol

Selected coursework—Adv. Networking · Adv. Computer Security · Adv. Data Mining ·
Program Analysis · Machine Learning · Adv. Databases · Adv. Distributed Systems ·
Modern Programming Language Implementations

Michigan Technological University

Houghton, MI

B.S. majoring in Computer Science with Mathematics Minor

2004–2008

GPA: 3.68/4.00

Michigan Technological University

Houghton, MI

B.S. majoring in Computer Networking & Systems Administration

2004–2008

GPA: 3.68/4.00

EXPERIENCE

Microsoft Corporation - Business Intelligence

Seattle, WA

Software Engineer

2011–Present

- Automated test development in C#, Powershell, and .NET of SQL Analysis Services

Novacoast Inc. - Development

Santa Barbara, CA

Developer

2010–2011

- Created interactive websites using JavaScript, JQuery, PHP, MYSQL, and HTML to tie various internal systems together
- Created additions and fixed bugs for the company's financial system (SAP)

University of California Santa Barbara - Computer Science Dept.

Santa Barbara, CA

Teaching Assistant for C++ and Artificial Intelligence

2010–2011

- Created a program to automatically grade and record the student's code for the assignment in question using C, Python, and Google Docs
- Directed lab sections in abstract data structures in C++ for approximately 40 students
- Designed complex programming projects for the students
- Answered a wide variety of questions on homework, labs, projects, C++, or even Unix in general
- Graded projects and exams

Michigan Technological University - Summer Youth Program

Houghton, MI

Instructor

2008

- Taught a five-day curriculum that started with basic network concepts and evolved to network engineering and security
- Interested high school students in networking and security
- Created much of the interactive portions of the curriculum

SKILLS

- Proficiency in software development in Python, C++, C, JavaScript, PHP, ABAP (SAP), Bash, Java, Assembly, Visual Basic, Scheme, and Perl
- Expertise with L^AT_EX, Regular Expressions, System Hardening, Network Design, HTML, CSS, LDAP, Distributed Programming, and SQL
- Operating system expertise with Windows, UNIX, OS X, and GNU/Linux

HONORS AND AWARDS

- Best Computer Science TA for Spring 2010
- Received first degree black belt in Shorinji Ryu Karate
- Awarded the American Association of Physics Teachers Photo Contest Prize