Liam Morris

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EDUCATION

Rochester Institute of Technology — Rochester, NY — September 2010 - May 2015
B.S./M.S. Computer Science
Minors Mathematics, American Sign Language
GPA 3.79, **PFOS** 3.88

AREAS OF INTEREST

Cryptography, Systems Programming, Security, Operating Systems

SKILLS

Programming Languages
Proficient: C/C++, Python, Java, C#
Some Experience: HTML, CSS, JavaScript, SQL, x86/MIPS Assembly, Scheme, Prolog

Tools/Software
Microsoft Windows, Linux, Vim, Git, Perforce, Eclipse, LaTeX

Languages
American Sign Language, Basic Spanish

EXPERIENCE

Google Inc. — Mountain View, California — Summer 2013
Software Engineering Intern
- Improved reliability of Ads backend infrastructure.

Google Inc. — Mountain View, California — Summer 2013
Computer Science Summer Institute Residential Advisor
- Fostered a socially-inclusive environment for students.
- Hosted technical office hours in the evenings.

Wegmans Markets Inc. — Rochester, New York — Winter 2012 - Spring 2013
Web Progammer Intern
- Developed internal web applications using ASP.NET framework.

Google Inc. — Mountain View, California — Summer 2012
Engineering Practicum Intern
- Implemented clustering algorithm to run on social networking corpus.
- Designed and created tools for analyzing clustering algorithm.
- Analyzed and tuned performance characteristics of clustering algorithm.

Rochester Institute of Technology — Rochester, New York — 2011 - Present
Student Lab Instructor
- Assisted in teaching Computer Science core classes.
- Offered tutoring hours in Computer Science tutoring center.

PROJECTS

Cryptography Function Library — Spring 2013
Wrote a utility library that implements various functions and algorithms for use in cryptography. These functions include, but are not limited to, field arithmetic, modular arithmetic, and discrete logarithm algorithms.

Cryptography Algorithm Research — Fall 2012
Implemented a block cipher encryption algorithm in Python. Performed statistical analysis on algorithm to determine randomness and performance characteristics. Researched security aspects of algorithm.

Virtual File System — Spring 2012
Designed and implemented a virtual FAT16 file system to interface with machine's actual file system.

ACTIVITIES

Computer Science Community — 2011 - Present
Security Practices and Research Student Association — 2011 - Present

HONORS

Dean's List — 2010 - Present
Project Lead The Way Scholarship Recipient — 2010