Liam Morris

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EDUCATION

Rochester Institute of Technology — Rochester, NY — September 2010 – December 2014
B.S./M.S. Computer Science
Minors Mathematics, American Sign Language
GPA 3.81, **PFOS** 3.89

AREAS OF INTEREST

Cryptography, Systems Programming, Security, Operating Systems

SKILLS

Programming Languages
Proficient: C/C++, Python, Java, C#
Some Experience: HTML, CSS, JavaScript, SQL

EXPERIENCE

Google Inc. — Mountain View, California — Summer 2014
Software Engineering Intern
- Designed and implemented infrastructure for executing table-valued functions within F1.
- Implemented several table-valued functions varying in complexity as proof of concept.

Rochester Institute of Technology — Rochester, New York — 2014 – Present
Teaching Assistant
- Led group recitations for introductory Computer Science courses
- Offered extended tutoring hours in Computer Science tutoring center

Rochester Institute of Technology — Rochester, New York — 2011 – 2013
Student Lab Instructor
- Assisted in teaching Computer Science core classes
- Offered tutoring hours in Computer Science tutoring center

Google Inc. — Mountain View, California — Summer 2013
Software Engineering Intern
- Developed methods of improving Ads backend reliability
- Designed and implemented bulk file backup service
- Engineered Ads backend to be resistant against data center outages

Google Inc. — Mountain View, California — Summer 2013
Computer Science Summer Institute Residential Advisor
- Assisted in social and professional development of 30 rising college freshmen
- Hosted technical office hours and workshops to supplement computer science curriculum

Wegmans Markets Inc. — Rochester, New York — Winter 2012 – Spring 2013
Web Progammer Intern
- Improved and simplified Wegmans job applicant management for Human Resources
- 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

PROJECTS

Cryptography Function Library — Spring 2013
Wrote a utility library that implements various functions and algorithms for use in cryptography covering topics of field arithmetic, modular arithmetic, and discrete logarithm algorithms

Cryptography Algorithm Research — Fall 2012
Implemented a block cipher encryption algorithm in Python and analyzed randomness, performance, and security characteristics of algorithm

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