

# Spencer Kim

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## EDUCATION

### 📍 University of Michigan

*B.S. Engineering in Computer Science, GPA: 3.54/4.0*

- Relevant Coursework: Object Orientated Programming, Operating Systems, Web Databases & Information Systems, Mobile App Development, Computer Security

*Ann Arbor, MI  
Expected 05/2016*

## EXPERIENCE

### 🌐 LinkedIn – Software Engineering Intern

*Product Security Engineering*

- Part of the Security Department, keeping LinkedIn members safe!
- Designed and engineered the development of security challenges meant to fight malicious behavior while maintaining positive user experience

*Mountain View, CA  
05/2015 – 08/2015*

### 📍 University of Michigan – Instructional Aide

*College of Engineering, EECS 281: Data Structures & Algorithms*

- Examined 1000+ unique code samples for functionality, errors, and efficiency
- Suggested improvements, cutting runtimes 100-fold in some cases
- Designed, reviewed, and tested projects and discussion material teaching algorithm analysis, data structure use, debugging and optimization

*Ann Arbor, MI  
09/2013 – 12/2015*

### SPQR – NoSSL Research Intern

*Security and Privacy Research Group Summer Internship*

- Tested OpenSSL code, used by 7 million websites, for vulnerabilities in its Certificate Authority application
- Designed and developed Gnocchi, an alternative protocol to SSL
- Implemented Gnocchi's GroupKey Server, enabling offline private key storage

*Ann Arbor, MI  
05/2014-08/2014*

### ACAL – Software Development Intern

*Performance Optimization Research with Dr. Igor Markov*

- Developed VastPlace, an academic placer, placing Top 5 at the 2013 International Conference on Computer Aided Design Contest
- Cut runtimes by 40% by parallelizing execution and reducing time spent in I/O and important bottlenecks
- Improved testing efficiency by writing Perl automation scripts to run benchmarks, parse logs, profile results, and upload data in charts and graphs
- Redesigned code from C to C++ to increase team efficiency by 67%

*Ann Arbor, MI  
05/2013-01/2014*

## PERSONAL PROJECTS

Venda: Webapp encouraging students to buy and sell goods securely and socially

OmniSearch: Android app designed to mimic iOS Spotlight Search

Untrusted: Educational game encouraging users to avoid logging onto untrusted computers, created at Google's 24 Hours of Good Hackathon

TriviaGameChallenge: Python program used to efficiently memorize Quiz Bowl facts

## ADDITIONAL

Microsoft College Code Challenge: 1<sup>st</sup> place in Fall '14 at University of Michigan

Michigan League of Legends: Founded; organized tournaments and events

Sinaboro: Performed traditional Korean music (10 years)

Enjoys: Super Smash Bros, ping pong, *The Resistance*-esque board games