

Maxwell L. Burggraf

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Education

Syracuse University, Syracuse, NY
Bachelor of Science, Computer Science, expected May 2017
Coursework:
Functional Programming Data Structures
Systems Programming Logic
Security, Access Control, and Trust Certified Security by Design
Discrete Mathematics Reporting & Presentation

Experience

Undergraduate Research Assistant, Syracuse University Summer 2015

- Assisted graduate students in developing DroidSIFT, a new, semantics-aware approach to detecting malware in Android applications
- Created node.js web application and REST API back-end to allow users to upload APK files and view malware analysis results

IT Consultant, Tech Geekery, Syracuse, NY Feb 2015 - Present

- On-site IT support

IT Manager, The Daily Orange, Syracuse, NY Aug 2014 - Present

- Manage and maintain office environment, including Windows and GNU/Linux servers, Windows and Mac workstations, office equipment, etc.
- Maintain server backups and inventory records of IT equipment and software
- Member of Board of Directors
- Co-manage website design and development

Teaching Assistant, Syracuse University Aug 2014 - Present

- Designed and graded several quizzes and homework assignments for a class of 46 Computer Science first-year students
- Held office hours to assist students in understanding course material
- Covered various basic Computer Science concepts in Snap! and C

Co-Founder, CourseGoat.com, Syracuse, NY Aug 2014 - Present

- Co-developed schedule-creating site for Syracuse University
- Wrote node.js JavaScript to interact with the Mongo database, client-side JavaScript UI/UX code, and web-scraping spiders in Python
- Managed webserver
- Awarded \$1000 in funding at the IDEA Startup Competition

Skills

Languages: Java, C/C++, Haskell, JavaScript, Swift, L^AT_EX,
MySQL, XML, HTML
Software: Android Studio, XCode, Eclipse, Visual Studio,
Emacs, Vim, Git
Environments: GNU/Linux, Windows, Mac OS X

Awards & Certifications

- CompTIA A+ Certification
- IBM Master the Mainframe Competition - Participated in an IBM hosted competition. Completed Part 2 two years in a row.