

# 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<sup>A</sup>T<sub>E</sub>X,  
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.