

# Maxwell Burggraf

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## Education

Syracuse University  
**Bachelor of Science, Computer Science • GPA: 3.365**

SYRACUSE, NY  
*Expected May 2017*

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## Experience

Amazon.com

SEATTLE, WA

### Software Engineer Intern

*May 2016 – present*

- Working with the AWS User Experience team
- Assisting with the development of a new AWS service

Syracuse University

SYRACUSE, NY

### Undergraduate Research Assistant

*Summer 2015*

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

### Teaching Assistant, Introduction to Systems Programming

*January 2016 – May 2016*

- Guided a class of 60 second-year Computer Science students during in-class activities
- Held office hours to guide students through assignments and assist students in understanding course materials
- Covered various Systems Programming concepts in Bash and C

### Teaching Assistant, Introduction to Engineering and Computer Science

*August 2014 – January 2015*

- 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 materials
- Covered various basic Computer Science concepts in Snap! and C

The Daily Orange

SYRACUSE, NY

### IT Manager

*August 2014 – present*

- Member of Board of Directors
  - Co-manage website design and development
  - 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
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## Skills

**Languages:** Java, C/C++, Haskell, Python, JavaScript, Swift, MySQL, XML, HTML,  $\text{\LaTeX}$

**Software:** Android Studio, XCode, Eclipse, Visual Studio, Emacs, Vim, Git

**Environments:** GNU/Linux, Windows, Mac OS X

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## Certifications & Achievements

- **CompTIA A+ Certification**
  - **Syracuse University Dean's List** – Fall 2016, Spring 2016
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## Notable Projects

- **CourseGoat.com** – Schedule-creating website for Syracuse University.
- **Tweeter** – Game based on Conway's Game of Life that focuses on the population and evolution of songbirds.
- **Indian Diagnostics** – Android and iOS application that allows users to easily view details of an Indian Motorcycle error code
- **OverRustle for iOS** – iOS application for OverRustle.com, a stream-viewing site with a built-in chatroom
- **Orange Rocket Ballistics Team (ORBiT) - Electronics Development** – Configured and programmed a BeagleBone Black board to control actuators and ignition.

Full source code for projects available at [github.com/mlburggr](https://github.com/mlburggr).