Ryan Vincent Beatty

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https://github.com/RyanBeatty

EDUCATION

College of William and Mary – Williamsburg, VA — B.S. Computer Science
Major GPA: 3.67 — Completed: May 2016
Gonzaga College High School – Washington, D.C. — Completed: July 2012

Undergraduate Coursework – Operating Systems, Systems Programming, Network Security, Algorithms, Software Development, Data Structures, Simulation, Programming Languages

LANGUAGES AND TECHNOLOGIES

- Python, C/C++, Java, Haskell, Objective-C, Swift, JavaScript
- Django, Flask, Node.js, PostgreSQL, MongoDB, Linux/Unix, iOS, Android

NOTABLE PROJECTS

- **Student Taxi Service** (https://goo.gl/7eO5qf) – Platform for W&M students to request rides around the Williamsburg area on weekends to discourage drunk driving. Developed using Python, Flask, Android, iOS, and Twilio.
- **Stock Music** (https://goo.gl/oWB3MK) – Data visualization project that won the Best Use of Bloomberg API award at PennApps X. Queries stock market prices using the Bloomberg API and converts the data points into musical notes that are then played as a MIDI file. Developed using Python, Flask, and JavaScript.

EMPLOYMENT

Epic Systems, Inc. — Verona, WI
Software Development Intern — May 2015 – August 2015

- Designed and developed iOS application that provides an organized workflow for cytogenetic lab technicians to perform and document tests for genetic disorders.
- Developed internal iOS framework for providing a generic interface for task-based specimen testing workflows.

American Public Power Association — Crystal City, VA
Junior Developer — Nov. 2014 – March 2015

- Maintained and developed features for the eReliability Tracker, an enhanced, web-based version of APPA's Reliability Tracker software for small power companies.

Public Broadcasting Service (PBS) — Crystal City, VA
Software Development Intern — May 2014 – August 2014

- Co-developed **Agora** (https://goo.gl/z64NvZ), a batch analyzer of video stream logs that leverages Amazon's Elastic MapReduce service to process video player events.