

# Ryan Vincent Beatty

301-802-1296 | [rvbeatty@email.wm.edu](mailto:rvbeatty@email.wm.edu)

8112 Whites Ford Way, Potomac, Maryland 20854

<https://github.com/RyanBeatty>

## EDUCATION

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**College of William and Mary** – Williamsburg, VA  
Major GPA: 3.67

B.S. Computer Science  
Est. May 2016

**Gonzaga College High School** – Washington, D.C.

Completed: July 2012

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

## LANGUAGES AND TECHNOLOGIES

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

## PROJECTS

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- **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 gets 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

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### Epic Systems

Verona, WI

Software Development Intern

May 2015 – Aug. 2015

- Developed iOS application that provides an organized workflow for cytogenetics lab technicians to perform 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

- Responsible for developing and maintaining features for the eReliability Tracker, an enhanced, web-based version of APPA's Reliability Tracker software.

### PBS: Public Broadcasting Service

Crystal City, VA

Software Development Intern

May 2014 – August 2014

- Helped develop **Agora** (<https://goo.gl/z64NvZ>), a batch analyzer of video stream logs that leverages AWS's Elastic MapReduce to process video player events.
- Maintained **Pycaption** (<https://goo.gl/fDj0AK>), a python library that converts closed captioning files to different formats, by adding Unicode support and fixing CC files support for the Xbox 360 video player.