**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 Est. May 2016

**Gonzaga College High School** – Washington, D.C Completed: July 2012

**RELEVANT COURSES**

* **400 level:** *Operating Systems*, *Systems Programming*, *Simulation.*
* **300 level:** *Algorithms*, *Software Development, Computer Organization.*
* **200 level:** *Data Structures, Discrete Structures of Computer Science*

**SKILLS AND AWARDS**

* **Languages:** C/C++, Java, Python, Haskell, JavaScript, HTML/CSS
* **Frameworks:** Django, Flask, Pyramid, Node.js
* **Environments:** Linux/Unix Environment, Android Environment
* **Awards:** PennApps X Bloomberg API Winner

**WORK EXPERIENCE**

**Junior Developer** Nov. 2014 - Present

*American Public Power Association, Crystal City, VA*

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

**Software Development Intern, PBS Digital** May – Aug. 2014

*PBS: Public Broadcasting Service, Crystal City, VA*

As an intern in the Digital division at PBS, I was responsible for building and maintaining various software projects, including the following:

* **Agora** (<https://github.com/pbs/agora-proc>): A batch analyzer of video stream logs that I helped develop for video players across more than 5 platforms. It heavily uses Amazon Web Services and leverages AWS's Elastic MapReduce to parallelize the processing of client video player events.
* **Pycaption** (<https://github.com/pbs/pycaption>): An existing captioning module that is responsible for reading/writing/converting closed captioning files that I modified and extended. I added Unicode support and fixed closed captioning on the Xbox 360 video player.