## Objective

To obtain the knowledge and develop the skills required to position myself as a Software Engineer within the aerospace industry.

## Education

West Virginia University – 2010 to present

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| --- | --- |
| Location: | Morgantown, West Virginia, 26505 |
| Major | Computer Science |
| Cumulative GPA | 2.81 |
| Graduation | May, 2014 |

Relevant Classes

* Compiler Construction (CS 410)
* Advanced Software Engineering (CS 430)
* Database and Design Theory (CS 440)
* Operating System Construction (CS 450)
* Artificial Intelligence (CS 472)

## Qualifications and Skills

* Fluent in various programming languages including: C, C++, C#, PHP, Java, HTML(4-5), CSS(2-3) and Javascript.
* Knowledgeable in computer operating systems including: Unix, Linux, Mac OS, and Windows (2k – 7).
* Experienced thoroughly in many database software; Oracle, MySQL, PostgreSQL, and SQLlite, MongoDB.
* Clear understanding of computer hardware and computer networks.
* Extensive knowledge in Geo-Spatial data and GDAL supported formats.

Experienced with Git and Svn version control.

## Experience

Orbital Sciences Corporation, Dulles, VA – May 2010 to August 2011

**Software Engineering Intern – May 2010 to August 2010**

* Documented and tested flight code software in a simulated environment using MAESTRO.
* Developed flight code test scripts for use in MAESTRO.
* Worked in a lab environment and executed standard procedures to test code.

**Engineering Intern – July 2011 to August 2011**

* Utilized SharePoint to establish a collaboration directory for a collaborating team.
* Developed professional skills coordinating and conducting project meetings.
* Generated and documented flight software code.
* Developed flow charts that documented specific flight code modules.

College of Engineering & Mineral Resources Information Technology – August 2011 to May 2012

* Researched and understood SharePoint software.
* Utilized SharePoint to establish a collaboration directory for a collaborating team.
* Developed professional skills coordinating and conducting project meetings.

Private Software Engineering Contractor – May 2012 to August 2012

* Developed applications for various clients. (Websites, API's, User interfaces)
* Designed work-flows for project completion.
* Familiarized myself with Git and Svn version control.

College of Engineering & Mineral Resources Software Developer – May 2013 to September 2013

* Designed and developed open-source server code to provide a complete controllable home system used in the WVU Solar House (Peak) for the 2013 Solar Decathlon competition. ([http://solardecathlon.gov](http://solardecathlon.gov/))
* Modeled software and hardware architecture for group design.

NextGen Federal Systems, Database Developer – November 2013 to present

* Developed a clear understanding of Geographic Information Systems (GIS).
* Utilized a GIS enabled Database with an Online Analytical Processing (OLAP) Cube to establish a caching system for quick data access from C2 operations.
* Learned various data formats including DTED, DEM, NED, and ShapeFiles.
* Familiarized myself with the GDAL Library and it's supported formats.