Bryan Turek

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Code: https://github.com/Bryan-Turek

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

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)
- 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.