

# **Bryan Turek**

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## ***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  
Selected Major: Computer Science  
Cumulative GPA: 2.81  
Expected Graduation: May, 2014

## ***Relevant Classes:***

- Artificial Intelligence (CS 472)
- Compiler Construction (CS 410)
- Database and Design Theory (CS 440)
- Operating System Construction (CS 450)

## ***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 SQLite.
- Clear understanding of computer hardware and computer networks.

Proficient in major software programs: Microsoft Office (all programs), Sharepoint, Outlook, Visual Studio and Microsoft Visio.

## ***Experience:***

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

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

- Trained in using MAESTRO software.
- Documented and tested flight code software in a simulated environment using MAESTRO.
- Developed flight code test scripts for use in a MAESTRO environment.
- Worked in a lab environment and executed standard procedures to test code.
- Worked with a “hands-on” approach of simulation hardware and software.

#### **Engineering Intern – July 2011 to August 2010**

- Researched and understood SharePoint software.
- Utilized SharePoint to establish a collaboration directory for the ACS (Attitude Control System) 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**

- Managed and controlled a computer lab environment.
- Worked on computer hardware and software for specific student environments.
- Helped people with computer issues.
- Controlled computer hardware and software within the mining department.

### **Private Software Engineering Contractor – May 2012 to August 2012**

- Designed User Interface for IAAM (It's All About Music – <http://iaamlove.com>).
- Designed Web front-end for IFCCD (International Foundation for Children with Craniofacial Disorders – <http://www.ifccd.org/>).
- Developed various functions for clients' websites based on their specifications.
- Familiarized myself with Git version control.

### **College of Engineering & Mineral Resources Software Developer – May 2013 to present**

- Designed and developed opensource server code to provide a complete controllable home system used in the WVU Solar House (Peak) for the 2013 Solar Decathlon competition.
- Modeled software and hardware architecture for group design.
- Trained by WV OSHA (30 hour) for construction of the house.

## ***Code Repositories:***

<https://github.com/Bryan-Turek>