Matthew Bender

me@iobender.com • 410.262.1881 • www.iobender.com • github.com/iobender

Work Experience

ViaSat, Software Engineering Intern (*May 2013 - August 2013*)

- Developed web interface for clients to add, view, update and remove BSC cell site configurations as part of the RASCOM system.
- Updated and created scripts for modifying configuration files and user permissions for the BSC site interface.
- Wrote code in Java, Perl, and Bash; used Google Web Toolkit.

Kibart, Inc., Mechanical Project Engineer (*August 2011 - April 2012*)

- Responsible for design of sanitary, domestic, condensate, and natural gas plumbing systems for Burwood Gardens apartment homes.
- Responsible for various HVAC and plumbing calculations and designs for Akermin and Mogene additions to The Bio-Research and Development Growth Park at the Donald Danforth Plant Science Center.
- Extensive use of AutoCADD and Revit software systems.

Other Experience

ViaSat Hackathon (*July 2013*)

- Company-wide 24-hour hackathon hosted across the country.
- Teams of 3 interns compete to develop a tool that helps interns in their daily life at ViaSat.
- Our team developed a web-based office mapping system interface, and won 1st place.

Windward Code Wars (*January 2013*)

- International academic programming competition to design and program an A.I. to compete against other teams' A.I.'s in under 8 hours.
- 2nd place internationally out of 133 teams, 1st place out of 17 teams at the University of Maryland.

HoverTerps, Programming Sub-Team (*August 2012 - December 2012*)

- Worked in teams to design and construct an autonomously controlled hovercraft capable of path-following, target locating, and acquisition of a payload.
- Programmed control algorithm in Arduino-C.

Websites Developed

- www.iobender.com, www.phipsiumd.com

Languages and Skills

- Java, C, Bash, Perl, Ruby, Python, Git, HTML, CSS, Google Web Toolkit

Education

University of Maryland, College Park: Clark School of Engineering; Honors College: University Honors Program (*August 2012 - present*)

- *In Progress*: B.S. In Computer Engineering (*Expected May 2016*)
- National Merit Scholar, President's Scholar
- 3.95 in-major G.P.A, 3.88 overall G.P.A.
- Current Classes: Algorithms, Organization of Programming Languages, Digital Circuits and Systems Lab
- Completed Classes: Computer Systems, Object Oriented Programming II, Discrete Structures, Digital Logic Design, Calculus III

Towson High School (*August 2008 - May 2012*)

- 4.0 G.P.A., 9/323 class rank
- 2340 SAT (800 Math, 800 Writing, 740 Reading), 800 SAT II Math 2, 800 SAT II Physics