Jordan R. Horwich

Jordan@JordanHorwich.com
GitHub.com/VoidingWarranties
(207) 632-0713

Present Address	**Permanent Address**
2166 14th St	4 Oak Street
2nd Floor	Cumberland, ME 04021
Troy, NY 12180	

Education

Rensselaer Polytechnic Institute, Troy, NY — Graduating May, 2016
B.S., Computer Science, Minor in Physics
GPA: 3.76

Professional Experience

Software Engineering Intern, Bloomberg L.P. — Summer 2014
- Developed an analytic tool to help the business teams better understand how external market data is provided to clients by leveraging field overload definitions.
- Developed the tool's back end using C++ and service-oriented architecture to expose metadata of overloaded field mappings from a SQLite database.
- Designed the front end application in javascript to allow the user to view and modify field overload definitions in the database.

Software Engineer &
Physics Consultant, Mimir Physics — 2012-13
- Co-author of a patent (pending application) for a hardware and software solution to account for variations in the spectra of multiple light sources in imaging applications.
- Developed an image processor in C++ for high color bit depth images that analyzed color data to create color images with an absolute color error of $\Delta E^* < 1$.
- Designed and prototyped custom hardware with an FTDI USB interface and developed software to interface with it.
- Increased the processing speed by a factor of nearly 100.

Software Engineering Intern, Fairchild Semiconductor — Summer 2011
- Developed tools to automate quality assurance analyses, collate the data, and then distribute the results across the company's internal network.
- Provided a UI for the tools that was written in Perl using the Tk framework.

Other Projects

SignSight – A unique computer vision approach to automatic traffic sign recognition.

TrippingWookie – A computer vision focused gesture control library. Play 2048 by waving your hands! Developed at HackRU in the spring of 2014.

FoodMate – An iOS app for tracking kitchen inventory and splitting grocery bills dynamically based on inventory. Developed at PennApps in the fall of 2014.

Monte Carlo Scrabble – A real time agent implementing a Monte Carlo method and a hidden Markov model for a variation on scrabble.

Computer Skills

Languages:	C++, Python, Bash	6 years experience
	C, SQL, Swift	< 3 years experience
Software:	Git, Linux, Maple, Mathematica, OS X, Windows	

Honors & Achievements

HackRU - Organizer's Choice Award (Spring 2014).

Microsoft Coding Competition - Tied for first place (October 2013).

Dean's List - All semesters.

Rensselaer Leadership Award