Jordan R. Horwich

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Present Address
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4 Oak Street
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Objective A Co-op or summer internship as a software engineer where I will be able to expand my skill set and make valuable contributions.

Education

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

Professional Experience

Software Engineer, Bloomberg L.P., New York, NY   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 an API using the Bloomberg Application Service framework to expose metadata of overloaded field mappings from a relational database.
- Independently designed and developed a GUI that utilizes this API and is the front end for the business teams.

Software Engineer &
Physics Consultant, Mimir Physics, Westbrook, ME   Summers 2012-13
- Co-author of a (pending) patent for a hardware and software solution to account for variations in the spectra of multiple light sources in imaging applications.
- Worked on a team of two to develop an efficient image color processor 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.
- My contributions increased the processing speed by a factor of nearly 100.

Software Engineer, Fairchild Semiconductor, South Portland, ME   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   February 2014 – Present
A unique computer vision approach to automatic traffic sign recognition.

Computer Skills

Languages:	C++	5 years experience
	Bash, C, Python, SQL	< 4 years experience
Software:	Git, Linux, Maple, Mathematica, OS X, Windows	
Skills:	Extensive knowledge of color spaces and bitmap images	

Honors & Achievements

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

Dean's List - All semesters.

Rensselaer Leadership Award