Jordan R. Horwich

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Present Address	**Permanent Address**
2166 14th St	4 Oak Street
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Troy, NY 12180	

Objective

A Co-op or summer position as a software engineer where I will be able to expand my skill set and make valuable contributions.

Education

Rensselaer Polytechnic Institute, Troy, NY
B.S., Computer Science, Minor in Physics
Expected Date of Graduation: May, 2016
GPA: 3.76

Professional Experience

Software Engineer, Bloomberg L.P., New York, NY   Summer 2014
- Worked on a large team to develop a relational database to store metadata and metadata history for large amounts of financial data.
- Developed an API and service in C++ to expose useful data from this database.
- Independently designed and developed a UI, which utilized this service, for our internal business teams.

Software Engineer &
Physics Consultant, Mimir Physics, Westbrook, ME   Summers 2012-13
- Worked on a team of two to develop an efficient image processor in C and C++ for high resolution and high color bit depth images.
- Created an application and user interface in Visual Basic which interfaced with custom camera hardware to create color images with a 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 were directly responsible for the success of the project. The processing speed was increased by 740% and was finished ahead of schedule.

Software Engineer, Fairchild Semiconductor, South Portland, ME   Summer 2011
- Reduced time and money spent on repetitive quality assurance tasks by developing programs in Perl and Bash to automate these tasks.
- Consolidated the work of collecting the results of quality assurance analyses from the many company locations around the world by creating a utility that utilized SSH tunnels to collect the results.

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: Extensive knowledge of color spaces, Git, Mathematica, Maple, Linux, OS X, Windows

Honors & Achievements

Patent Co-author (pending) of a hardware and software solution to account for variations in the spectra of multiple light sources in imaging applications.

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

Dean's List - All semesters.

Rensselaer Leadership Award