# Jordan R. Horwich

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**Present Address**

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**Permanent Address**

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**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 & 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. Our application exceeded expectations; its 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.
- Improved the existing web interface used internally in the company to verify the results of quality assurance analyses.

**Other Projects**

**SignSight**                                        February 2014 – Present
A unique computer vision approach to automatic traffic sign recognition.

**Computer Skills**

| **Languages:** | C++, Python | 4 years experience |
| | Bash, C, Perl, Visual Basic | < 2 years experience |

**Software:**  Extensive knowledge of bitmap image files and color spaces, Visual Studio and Team Foundation Server, Mathematica, Maple, Windows, Linux, OS X

**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**