

**Jordan R. Horwich**  
[GitHub.com/VoidingWarranties](https://github.com/VoidingWarranties)  
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Education	<b>Rensselaer Polytechnic Institute</b> , Troy, NY B.S., Computer Science, Minor in Physics GPA: 3.77	Graduating December, 2016
Courses	<ul style="list-style-type: none"><li>• Natural Language Processing</li><li>• Programming Languages</li><li>• Computer Graphics</li><li>• Computer Organization &amp; Design</li><li>• Algorithms</li><li>• Data Structures</li></ul>	
Professional Experience	<b>Software Engineer Intern</b> , <a href="#">LinkedIn</a> • Implemented mini-profiles for LinkedIn's homepage using the Play Framework in Scala and Dust.js.	Summer 2015
	<b>Software Engineer Intern</b> , <a href="#">Intentional Software</a> • Designed and developed a natural user interface using the Microsoft Kinect to implement a gesture and virtual touch screen interface. • Wrote a hand pose classifier in C++ using feature matching in OpenCV. • Developed an N-dimensional implementation in C++ of UW's \$1 Recognizer for atomic gesture recognition with the Kinect. • Architected a data transformation pipeline for processing input from motion sensing devices such as the Kinect, Leap Motion, and Myo.	Spring 2015
	<b>Software Engineer Intern</b> , <a href="#">Bloomberg L.P.</a> • Developed an analytic tool using C++ and service-oriented architecture on the back end to expose data from an SQLite database. • Designed and developed the tool's front end application as a Bloomberg Terminal function in javascript to allow the user to view and modify data in the database. • My tool was used to quickly fix a fatal error in the way market data from exchanges were stored. Similar errors previously took many hours to fix without my tool.	Summer 2014
	<b>Software Engineer &amp; Physics Consultant</b> , <a href="#">Mimir Physics</a> • 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.	Summer 2012 – 2013
Other Projects	<b>MyoIntelligesture</b> – <a href="https://github.com/VoidingWarranties/Myo-Intelligesture">GitHub.com/VoidingWarranties/Myo-Intelligesture</a> A library for processing raw data from the Thalmic Myo using a non-linear data pipeline.	
	<b>MyoHome</b> – <a href="https://github.com/VoidingWarranties/Myo-Home">GitHub.com/VoidingWarranties/Myo-Home</a> A natural user interface for home automation using the Thalmic Myo. Allows you to control home appliances by pointing at them and gesturing. Heavily uses MyoIntelligesture.	
	<b>SignSight</b> – <a href="https://github.com/VoidingWarranties/SignSight">GitHub.com/VoidingWarranties/SignSight</a> A unique computer vision approach to automatic traffic sign recognition.	
Computer Skills	<b>Languages:</b> C++, Python, Bash 7 years experience C, Javascript, SQL, Swift, Scala < 3 years experience <b>Software:</b> Git, Linux, Maple, Mathematica, OS X, Windows	
Honors & Achievements	<b>YHack</b> - Best Use of Intel Galileo for <a href="#">MyoHome</a> (Fall 2014). <b>HackRU</b> - Organizer's Choice Award for <a href="#">TrippingWookie</a> (Spring 2014). <b>Microsoft Coding Competition</b> - Tied for first place (October 2013). <b>Rensselaer Leadership Award</b>	