

**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>• Machine Learning</li><li>• Human-Computer Interaction Usability</li><li>• Algorithms</li><li>• Computer Graphics</li><li>• Natural Language Processing</li><li>• Data Structures</li></ul>	
Professional Experience	<p><b>Software Engineer Intern</b>, <a href="#">LinkedIn</a> Summer 2015</p> <ul style="list-style-type: none"><li>• Implemented company and school mini-profiles UI for LinkedIn's homepage using the Play Framework in Scala and Dust.js.</li><li>• Implemented permalink UI for feed updates on the homepage.</li></ul> <p><b>Software Engineer Intern</b>, <a href="#">Intentional Software</a> Spring 2015</p> <ul style="list-style-type: none"><li>• Designed and developed a natural user interface using the Microsoft Kinect to implement a gesture and virtual touch screen interface.</li><li>• Wrote a hand pose classifier in C++ using feature matching in OpenCV.</li><li>• Developed an N-dimensional implementation in C++ of UW's \$1 Recognizer for atomic gesture recognition with the Kinect.</li><li>• Architected a data transformation pipeline for processing input from motion sensing devices such as the Kinect, Leap Motion, and Myo.</li></ul> <p><b>Software Engineer Intern</b>, <a href="#">Bloomberg L.P.</a> Summer 2014</p> <ul style="list-style-type: none"><li>• Developed an analytic tool using C++ and service-oriented architecture on the back end to expose data from an SQLite database.</li><li>• 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.</li><li>• 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.</li></ul> <p><b>Software Engineer &amp; Physics Consultant</b>, <a href="#">Mimir Physics</a> Summer 2012 – 2013</p> <ul style="list-style-type: none"><li>• 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.</li><li>• 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 <math>\Delta E^* &lt; 1</math>.</li><li>• Designed and prototyped custom hardware with an FTDI USB interface and developed software to interface with it.</li><li>• Increased the processing speed by a factor of nearly 100.</li></ul>	
Other Projects	<p><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.</p> <p><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.</p> <p><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.</p>	
Computer Skills	<p><b>Languages:</b> C++, Python, Bash 7 years experience C, Javascript, SQL, Swift, Scala &lt; 3 years experience</p> <p><b>Software:</b> Git, Linux, Maple, Mathematica, OS X, Windows</p>	
Honors & Achievements	<p><b>YHack</b> - Best Use of Intel Galileo for <a href="#">MyoHome</a> (Fall 2014).</p> <p><b>HackRU</b> - Organizer's Choice Award for <a href="#">TrippingWookie</a> (Spring 2014).</p> <p><b>Microsoft Coding Competition</b> - Tied for first place (October 2013).</p> <p><b>Rensselaer Leadership Award</b></p>	