

MICHAEL MEDING

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EDUCATION

University of Massachusetts Lowell M.S. in Computer Science	<i>May 2016</i>
University of Massachusetts Lowell B.S. in Computer Science	<i>May 2015</i>
Massachusetts Bay Community College A.S. in Computer Science	<i>December 2013</i>

EXPERIENCE

Outsmart Power Systems <i>Developer</i>	August 2011 - Present <i>Natick, MA</i>
<ul style="list-style-type: none">· Programmed Java EE application framework for interfacing a Neo4j graph database with analytics to the web using EJB3 and RESTful web services.· Designed and implemented a content management system for maintaining customer data on the web. This included responsive web design elements for both mobile and desktop using AngularJS and Twitter Bootstrap.· Responsible for the deployment of the above web application to respective application and web servers.	

RELEVANT WORK

Designed and built a 3D printer	<i>Aug 2015 - Current</i>
Started with a rebrap based 3D printer and decided to design my own 3D printer. The printer is now so well calibrated that it prints as well as a professional quality machine at a tenth of the cost.	
NLP Twitter Bullying Project	<i>Sept 2014 - Dec 2014</i>
A machine learning and data mining project that learns from a corpus of compiled tweets from Twitter to discover bullies who use social media.	
Arduino ODB2 Protocol Tool	<i>Sept 2013 - Current</i>
A K-line protocol engine diagnostic and logging tool which I have been developing in my spare time using an Arduino and an ECU simulator.	

TECHNICAL STRENGTHS

Computer Languages	Java 7 & 8, Java EE 7, JavaScript, C, C++, Scheme, Linux Bash, Assembly, Python 2 & 3, Misc. Firmware C code, \LaTeX , ROS (Robot Operating System)
Web Technologies	AngularJS, Bootstrap, EmberJS, D3, jQuery, jQueryUI, CSS3, less, Sass, Ajax, HTML 5, SVG
Protocols & APIs	XML, JSON, REST, EJB3, JMS, junit 3 & 4
Databases	MySQL, Derby, Neo4j, MongoDB
Tools	Git, SVN, Vim, Netbeans, IntelliJ IDEA, Pycharm, WebStorm, Sublime
Platforms	Ubuntu (Since Ver 7.04), LinuxMint, CentOS (Since Ver 5.8), Fedora, Mac OSX, and Windows