MICHAEL MEDING

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EDUCATION

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

EXPERIENCE

Outsmart Power Systems	August 2011 - Present
Developer	*Natick, MA*

· 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 custom 3D printer *Dec 2014 - Current*

Built an aluminium frame 3D printer from scratch. This printer is now capable of accuracies in the sub 100 micron resolution which is considered exceptional for a home built printer.

NLP Twitter Bullying Project *Sept 2014 - Dec 2014*

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 *Sept 2013 - Current*

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