

MICHAEL MEDING

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EDUCATION

University of Massachusetts Lowell
M.S. in Computer Science

May 2016

University of Massachusetts Lowell
B.S. in Computer Science (Cum Laude)

May 2015

EXPERIENCE

Outsmart Power Systems
Software Developer

August 2011 - Present
Natick, MA

- Developed 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.
- Built a websocket based IoT communication platform in Java.
- Responsible for the deployment of the above applications to respective cloud servers.

RELEVANT WORK

Designed and built a 3D printer

Aug 2015 - Current

Constructed a reprop based 3D printer which inspired me 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

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