

# MICHAEL MEDING

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## EXPERIENCE

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### **Efacto Power**

*Software Developer*

January 2018 - Present

*Natick, MA*

- Designed a cloud based big data time series for storing and analyzing patterns in energy. This leveraged the power of Hadoop and the OpenTSDB framework. Additional details of this can be found on my website listed above.
- Took over product development and production of the IOT product which Efacto produces. This involved many electronics manufacturing processes to go from concept to production design.

### **Outsmart Power Systems**

*Software Developer*

August 2015 - December 2017

*Natick, MA*

- 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 aforementioned applications to their respective cloud servers.

## EDUCATION

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### **University of Massachusetts Lowell**

M.S. in Computer Science

*May 2016*

### **University of Massachusetts Lowell**

B.S. in Computer Science (Cum Laude)

*May 2015*

## RELEVANT WORK

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### **Designed and built a 3D printer**

Designed and built my own FDM based 3D printer which produces parts comparable to much more expensive machines.

*Aug 2015 - Current*

### **NLP Twitter Bullying Project**

A machine learning and data mining project that learns from a corpus of compiled tweets from Twitter to discover bullies who use social media.

*Sept 2014 - Dec 2014*

## TECHNICAL STRENGTHS

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### Computer Languages

Java 7 & 8, Java EE 7, JavaScript, C, C++,  
Linux Bash, Assembly, Python 2 & 3,  
Misc. Firmware C code (Atmel + Microchip),  
L<sup>A</sup>T<sub>E</sub>X, 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