Michael Meding

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Education

Masters **Computer Science**

University of Massachusetts Lowell
May 2016

Bachelors **Computer Science**

University of Massachusetts Lowell
May 2015 (With Honors)

Proficiencies

Languages

Python 2 & 3 ● ● ● ● ●
JavaScript ● ● ● ● ●
Java 7 & 8 ● ● ● ● ●
C/C++ ● ● ● ● ○
Linux Bash ● ● ● ● ●
Assembly ● ● ● ○ ○
LaTeX ● ● ● ● ○

Databases

MySQL ● ● ● ● ●
InfluxDB ● ● ● ● ○
MongoDB ● ● ● ● ○
Neo4j ● ● ● ○ ○

Web Technologies

AngularJS ● ● ● ● ●
ReactJS ● ● ● ● ●
Redux ● ● ● ● ●
Twitter Bootstrap ● ● ● ● ●
D3 ● ● ● ● ●
HTML5 ● ● ● ● ○
jQuery ● ● ● ● ○
CSS3 ● ● ● ● ○
Sass ● ● ● ● ○
SVG ● ● ● ○ ○

Other

Solidworks ● ● ● ● ○
ROS ● ● ● ○ ○
(Robot Operating System)

Experience

Lead Software Developer

Zea Biosciences | Sep 2018 - Present

- Created an intelligent plant growth and facilities management system. The system is a 3-tier SPA design using Django and ReactJS technologies.
- Integrated existing systems data into an InfluxDB time series database for live plant condition analysis.
- Handled all linux systems administration and software deployment.

Senior Software Developer

Efacto Power | Jan 2017 - Aug 2018

- Designed a cloud-based big data time series for storing and analyzing patterns in energy. This design leveraged the power of Hadoop and the OpenTSDB framework.
- Managing product development and production of the IoT gateways and sensors. This involved all aspects of the manufacturing processes from product development to production.

Software Developer

Outsmart Power Systems | Aug 2015 - Dec 2016

- Created a content management system for maintaining business related customer data on the web. This included responsive web design elements for both mobile and desktop using AngularJS.
- Built a websocket-based IoT communication platform using Java.
- Designed responsive D3 charts for in depth analysis of data collected from IoT sensors.

Projects

Web Based 3D Slicer

University of Massachusetts Lowell | 2015 - 2016

Wrote one of the first 3D print slicers to be deployed to the web. This project was also tested on a 3D printer of my own design.

Solidworks Design

Massachusetts Bay Community College | 2015 - Present

Studied Mechanical Engineering part time and I have a background designing parts in Solidworks. Several of my designs were used in production applications at Efacto Power.