

# Michael McCabe

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## Summary

Engineer currently enrolled in Boston University's Master of Science (MS) in Software Development program (online), with a 4.0 GPA.

## Courses Completed

- Server-Side Web Development (grade: A)
- Database Design for Business (grade: A)
- Information Structures with Python (grade: A)

## Skills

Languages: JavaScript, HTML, CSS, Python

Tools: Node.js, React.js/Redux, Express.js, PostgreSQL, MongoDB

## Open Source

### Mozilla

#### *Add-ons Code Manager and web-ext*

[Contributor Recognition](#) (MikeM711) | [Mozillian account](#)

- web-ext: Fixed bugs and created a new feature to allow non-redundant CLI commands (Node.js / JavaScript)
- Add-ons Code Manager: Fixed a broken component layout (SCSS / CSS)

## Software Projects

### Professional Software Projects

#### *AG Laser Technology: Production Planner (Node.js, Express.js, React.js/Redux, PostgreSQL)*

- Collaborated with multiple company teams to build a CRUD full-stack web application that calculates the total amount of material needed to complete a job.
- All authenticated users have the ability to edit the database and save their production plans to their own profile.
- Tool assists management with making quick and accurate decisions and saves \$60K /year in production costs.

### Personal Software Projects

#### *Parselt (Node.js, Express.js, React.js/Redux)*

[GitHub](#) | [Website](#)

- Developed a JavaScript web app that allows non-technical people the ability to extract information, or perform data science, for large amounts of PDF documents or complex text data.

#### *Deep Learning Handwriting Recognition (Django, React.js, Tensorflow/Keras)*

[GitHub](#) | [Website](#)

- Built a full-stack web app that utilizes pre-trained deep learning models to predict users' handwriting.

#### *Non-API YouTube Comment Section Scraper (Node.js, Express.js, React.js)*

[GitHub](#) | [Website](#)

- Developed a JavaScript web app that sends a bot to render every comment on a YouTube video and collect data from the HTML, while Socket.IO displays status messages of the bot to the user.

## Work History

### **AG Laser Technology, Engineer, Front Royal, Virginia April 2016 – June 2020**

- Sole engineer responsible for startup and production activities of a state-of-the-art, custom steel door and cabinet manufacturing facility.
- Developed scripts that automate manual processes to maximize productivity, control inventory and save money.
- Designed and created products using AutoCAD & Autodesk Inventor.

## Education

Master of Science in Software Development  
Boston University, Boston

Current GPA: 4.0

Projected Graduation: Summer 2021

B.E. in Mechanical Engineering: May 2015  
State University of New York at Stony Brook, Stony Brook, NY

GPA: 3.47 | Major GPA: 3.51  
Pi Tau Sigma Honor Society