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
- Information Structures with Python
- Database Design for Business

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

ParseIt **(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.
- Designed and created products using AutoCAD & Autodesk Inventor.
- Developed scripts that automate manual processes to maximize productivity, control inventory and save money.

Education

Master of Science in Software Development	Current GPA: 4.0
Boston University, Boston	Projected Graduation: Summer 2021
B.E. in Mechanical Engineering: May 2015	GPA: 3.47 | Major GPA: 3.51
State University of New York at Stony Brook, Stony Brook, NY	Pi Tau Sigma Honor Society