

# Maximo Machado

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## EDUCATION

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**Massachusetts Institute of Technology | GPA: 4.8 / 5.0**

September 2019 – May 2023

Candidate for Bachelor's Degree in Computer Science and Engineering

Cambridge, MA

- Relevant Coursework: Intro to Operating Systems, Intro to Embedded Systems, Intro to Machine Learning

## WORK EXPERIENCE

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**Product Engineering Intern**

June 2021 – August 2021

John Deere

Virtual

- Led development and demos for greenfield team's proof of concepts to interested parties for upcoming products
- Created CI/CD pipelines deploying code onto AWS services using infrastructure-as-code tools such as Terraform
- Migrated essential licensing encryption servers to new testing environment, providing much-needed added security

**Full Stack Web Developer Intern**

August 2020 – November 2020

Falcn Lab LLC

Virtual

- Architected a Customer Relationship Management (CRM) that provided organizational benefits to company
- Designed an SQL database schema with careful attention paid to normalization
- Assisted company's ability to post new content and articles by extending the feature set of the admin tools for a Content Management System (CMS)

## PROJECTS

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**Spotify Playlist Manager**

December 2020

Sole Developer

- Created a website that served 200 monthly users at its peak, spotifyplaylistmanager.net, that expands Spotify user's abilities to manage and manipulate their playlists
- Pushed nearly 200 commits to the GitHub repository while learning a large array of knowledge from full-stack development to deploying a website on local hardware with NGINX
- Wrote performant code by caching API requests and queuing jobs to sustain high server load

**Courseroad**

September 2019 – December 2020

Team Member and Maintainer

- Extended features and improved usability of a website designed to plan academic schedules at MIT
- Maintained a large codebase and database with frequent updates to keep in sync with MIT's class catalog
- Implemented petitioning classes giving the user more power to keep track of their progress

## LEADERSHIP

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**MIT Undergraduate Practice Opportunities Program (UPOP)**

October 2020 – August 2021

Participant

- Participated in a year-long program preparing students for success within the workplace
- Completed a 3-day intensive workshop taught by esteemed MIT faculty and industry professionals diving into topics such as effective communication, teamwork, and leadership skills

## SKILLS

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**Programming Languages:** *Typescript, Python, C, C++, RISC-V Assembly*

**Frameworks:** *Node.js, React, Vue.js, Arduino*

**Other Tools:** *AWS, Drone.io, Terraform, NGINX, Git, PostgreSQL*