

Brennan Macaig

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EDUCATION

University of Massachusetts Lowell - Lowell, MA.
B.S. in Computer Science

Dec 2021

RELEVANT EXPERIENCE

Project Manager – University of Massachusetts Lowell, Lowell MA

April '20 – Pres

- Managed a group of 3 developers creating a **Java** based authentication solution.
- Hosted twice weekly strategy meetings with the development team.
- Deployed large scale server infrastructure remotely using **Docker**.

Software Engineering Intern – Echo Ridge, Concord NH

April '19-Aug '19

- One of four **full-stack** developers on the **Retaen** application - a business to business **SaaS** solution for the lobbying industry
- Developed solutions for databasing, server configuration, deployment tools, and assorted web technologies in an **agile scrum**-based environment.
- Supervised contract employees and performed code reviews.

ADDITIONAL EXPERIENCE

Resident Advisor – University of Massachusetts Lowell, Lowell MA

April '18-May '20

Senior Counselor – Manchester YMCA

June '15-Aug '18

Volunteer – FIRST Robotics Competition

Aug '15-Pres

- Volunteer as a Control Systems Advisor and FIRST Technical Advisor Assistant.
- Mentor team 6324 in Salem NH as a software and strategy mentor.

Projects – Open Source Software, Robotics Projects, Raspberry Pi / Arduino

- Develop and work on several Open Source projects, including **The Blue Alliance** and **Marlin Firmware**.
- Used Arduino and Raspberry Pi to create small electronics projects, such as a solution to remotely open a dormitory door, plant watering machine, fish feeder, and a robot vision system using **OpenCV** and **Python 2.8**.
- Active participant in **Advent of Code**, with several listings on the global leaderboard, writing in **Python 3.7**
- Currently developing an alternative **HTML** templating language for **flask**.

SKILLS

Python	C/C++	Unit Testing
Java	Linux Server / AWS	Version Control (GIT)
Relational DB / SQL	HTML/CSS/JS	Continuous Integration