

Brennan Macaig

87 Washington St, Concord NH. 03301

me@brennanmacaig.com

(603) 630-1104

EDUCATION

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

Dec '21

RELEVANT EXPERIENCE

Site Reliability Engineering Intern – Mutualink, Westford MA

May '20 – Pres

- Developed secure, scalable, **server-side** software in **Go**, **Python**, and **NodeJS**
- Developed **monitoring tools** for products to ensure customer success
- Worked with tooling like **packer** and **ansible** to create automated build pipelines
- Daily use of **AWS** for **S3**, **Route53**, and **IoT**, with a focus on creating **IAM policies**
- Routinely used other hosting providers, such as **Azure** to accomplish company goals

Project Manager – University of Massachusetts Lowell, Lowell MA

Apr '20 – July '20

- Managed a group of 3 developers creating a **Java** based authentication solution
- Hosted twice weekly meetings with the development team
- Employed an **agile**, **scrum**-based work environment for the development team

Software Engineering Intern – Echo Ridge, Concord NH

Apr '19 – Aug '19

- One of four **full stack** developers on the **Retaen** application – a business to business **SaaS** solution for the lobbying industry.
- Developed hosting solutions for **nginx**, **SQL**, and monitoring tools like **Sentry**
- Developed solutions and pipelines using **CI/CD tooling**
- Worked in a **test-driven** development lifecycle

ADDITIONAL EXPERIENCE

Resident Advisor – University of Massachusetts Lowell, Lowell MA

Apr '18 – May '20

Senior Counselor – Manchester YMCA, Alton NH

Jun '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, Raspberry Pi / Arduino

- Develop on several open source projects, including **Marlin Firmware**
- Used Arduino for various home automation projects, such as a solution to remotely open doors, as well as a plant watering machine
- Created a robot vision system using **OpenCV** and **Python 2.8**
- Active participant in **Advent of Code**, with several global leaderboard appearances

SKILLS

Go	Python	Linux Server / AWS / Azure
Java	Web Development	Version Control (git)
Object Oriented Development	HTML / CSS / JS	CI / CD