

# Ryan Barry

Norwell, MA 02061 | [rbarry3@students.stonehill.edu](mailto:rbarry3@students.stonehill.edu) | (781)-987-3840 | [Website](#)

## EDUCATION

Stonehill College | May 2024

Bachelor of Science | **Major:** Computer Science | **Minor:** Data Analytics

GPA: 3.47 | Dean's List

December 2020-Present

## SKILLS

**Languages:** Python, JavaScript, C++, Rust, Java

**Software:** AWS, Kubernetes, Docker, GitLab, Jira, Confluence, React, React-Native, Django, Node.js, Flask, MySQL, Tensor Flow, NumPy, Pandas, Axum, DBeaver, Linux, MobaXTerm

## RELEVANT COURSEWORK

Operating Systems, Algorithms, ML, AI, Database Management, Web Programming, Theory of Computation, Computer Logic and Organization, Data Structures, Linear Algebra, Discrete Math, Data Visualization, Engineering I

## WORK EXPERIENCE

### ***Software Engineer Intern***

June 2023 – August 2023

General Dynamics, Taunton 02780

- Integrate 40+ unit tests into CI/CD DevSecOps pipelines for robust code and accelerated development
- Automate environmental testing through Python scripts for performance evaluations
- Collaborate on code using GitLab, ensuring efficient version control and seamless teamwork
- Test code on EC2 instances, in Linux, by deploying pods to Kubernetes, optimizing scalability and compatibility
- Conduct live product demonstrations to build stakeholder confidence and showcase progress

### ***Full Stack Developer***

Local Treasure Start Up, Wayland 01778

May 2023 – December 2023

- Develop and design iOS and Android application using React-Native and Django
- Fulfill stories and implement features on Pivotal tracker to foster agile development and efficient teamwork
- Collaborate with business owner to transform ideas into product while preserving the original vision

### ***Programming & Engineer Teacher Assistant***

January 2023 - Present

Stonehill College, Easton 02357

- Designed assignments that further understanding of engineering concepts and develop critical thinking
- Guided thought-provoking conversations with students to assist in writing code and wiring hardware
- Helped 20+ students learn 3D modeling in Blender and using slicer software for 3D printers

### ***Computer Technician***

February 2022 – May 2023

Stonehill IT, Easton 02357

- Serviced 300+ staff/faculty PCs with issues such as battery replacement, hard drive failure, and stop errors
- Worked collaboratively and communicated with customers and coworkers to resolve technological issues
- Imaged computers and enforced work policies to standardize systems and enhance consistency

## PROJECTS

**JoJo's Bizarre API** REST API querying fine-tuned GPT2 model | Rust, Axum, Flask, Pytorch, TensorFlow

**Magnitude Prediction** Earthquake magnitude ML models | TensorFlow, USGS API, Github, Anaconda, VSCode

**Power!** Head developer for money transfer web service | Python, Flask, DBeaver, Codio, Google Pay API

**Spectrum** Led development for inclusive chat for autistic community | React, Node.js, TailWindCSS, MySQL, VSCode

## EXTRACURRICULAR

Association of Computing Machines, Math Club, Pan-Asian Alliance Club, Gaming Club, AquaScaping