Ryan Barry

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EDUCATION
Stonehill College | May 2024
Bachelor of Science | **Major**: Computer Science | **Minor**: Data Analytics
GPA: 3.50 | 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, LibTorch, 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

Development Operations Engineer

Jewish Positivity, Easton 02357   January 2024 – May 2024

- Automated push notification scheduling and management using OneSignal's API
- Developed four CI/CD pipelines to execute Django and React Native Jest unit tests
- Deployed Django backend to production on a Digital Ocean VM, utilizing Apache and Docker
- Enhanced app performance and decreased backend load by implementing caching on the frontend
- Configured and resolved issues in development environments for students

Full Stack Developer

Local Treasure Start Up, Wayland 01778   May 2023 – December 2023

- Developed and designed iOS and Android application using React-Native and Django
- Fulfilled stories and implement features on Pivotal tracker to foster agile development and efficient teamwork
- Collaborateed 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

PROJECTS

JoJo's Bizarre API REST API querying fine-tuned GPT2 model | Rust, Axum, Docker, Libtorch, Github Workflow
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