Ryan Mar

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EDUCATION

UC Merced, Merced, CA   May 2026
GPA **3.96** | Bachelor of Science in Computer Science and Engineering

TECHNICAL SKILLS

Languages: C, C++, CSS, HTML, Java, JavaScript, Python, SQL, TypeScript, WASM, and YAML
Frameworks: Bootstrap, Django, Django REST, Flask, Next.js, React.js, Tailwind CSS, TensorFlow, and Vue.js
Developer Tools: Alpaca Markets, AWS, CUDA, Docker, Firebase, OpenCV, Pandas, PyTorch, and Stripe

WORK EXPERIENCE

Google Developer Group   September 2024 - Present
Software Engineer Project Lead   *Merced, CA*
- Submitted a proposal to build a financial education platform for analyzing trading habits and providing retail investors with machine learning based insights and feedback
- Recruited and organized **3** cross-functional teams (Quantitative analysis, Machine learning, and Full-stack) composed of **47** student developers across **5** universities using **Agile** methodologies
- Setup a **Jira** project board to foster a collaborative environment, created backlogs, and delegated tasks
- Integrated real-time market data using **Alpaca Markets** API
- Deployed **cloud infrastructure** using **Amazon Web Services** (AWS) on EC2 instances

Department of Homeland Security   June 2024 - August 2024
Software Engineer Intern   *Washington D.C.*
- Collaborated within an **Agile** DevOps team, leveraging **Jira** for sprint planning, while utilizing iterative development and continuous feedback to enhance **CI/CD** processes and **Docker** container management
- Refactored GitLab **CI/CD** pipeline by moving **3** severity scans to an external shell script
- Implemented a new pipeline stage in GitLab **CI/CD** to automatically comment on existing vulnerabilities in merge requests, enhancing visibility of security issues during code reviews

EXTRACURRICULARS

Association for Computing Machinery Club   October 2024 - Present
SIG Software Engineering Lead   *Merced, CA*
- Facilitated a workshop for teaching other students practical software engineering skills
- Engaged the UC Merced student community to foster interest in software engineering

PROJECTS

DjN Data Visualizer | *Django, Docker, Next.js*   September 2024
- Utilizes **TypeScript**, **Next.js**, and **Chart.js** on the frontend, along with **Redux** for state management
- Implements **Django REST framework** to serve data to the frontend via API endpoints
- Containerized the application with **Docker** for automated deployment

Crescent Novels | *AWS, Django*   June 2020 - June 2023
- Developed full-stack features, functionality, and user interaction features using **Django**
- Deployed website using **Amazon Web Services** (AWS) on EC2 instances
- Grew website to over **500** active users

AWARDS

- **HackMerced IX** - 2nd place - $1000 awarded   2024
- **National Merit Scholarship Finalist**   2023