Ryan Mar

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SUMMARY

Passionate computer science major with a robust programming portfolio and competitive programming experience. Entrepreneurial, faces problem-solving with enthusiasm, and eager to shoulder responsibilities.

EDUCATION

UC Merced, Merced, CA
- Bachelor of Science in Computer Science
- GPA 4.0

TECHNICAL SKILLS

- Java, JavaScript, TypeScript, Python, HTML, and CSS
- OpenCV, Flask, SQLite, Pyodide, Vercel, and TensorFlow
- Django Python, Django Rest, and Firebase
- Tailwind CSS and Bootstrap
- React.js, Next.js, and Vue.js
- Microsoft Office Suite, Adobe Creative Cloud, and Canva

PROJECTS

Crescent Novels, www.crescentnovels.com (currently archived)   June 2020 - June 2023
- As a high school sophomore, founded a website for young adult writers to share their stories in a risk-free environment, allowing them to voice and explore their writing while also interacting with readers for feedback and support.
- Deployed web services to AWS
- Grew website to over 500 active users.
- Developed full stack features and functionalities using Python (Django), JavaScript, and MySQL
- Principally responsible for styling the website and its contents using HTML and CSS
- Responsible for maintaining test and deployment environments for a small team of engineers using GitHub
- Deployed website using Amazon Web Services (AWS) using EC2 instances.

WildEyeAI, https://github.com/seika5/deepimageclassifier   July 2023
- AI-based wildlife protection project
- Identifies movement within camera footage using image subtraction techniques, then submits frames with movement to AI image classification model. If there was an animal inside the frame, it sends a POST request to the FLASK server to store the image.
- Trained using the TensorFlow Inception_V3 model

ByTech, https://dualhacks.vercel.app   August 2023
- Classroom platform focused on Computer Science
- Allows teachers to creates classes for students to join and assign programming assignments
- Teacher inputs sample function along with unit tests and an assignment description
- Students make a function based on the assignment and teachers can follow their progress
- Deployed project using Vercel

ACHIEVEMENTS

- **National Merit Scholarship Finalist**   2023