

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, C++, HTML, and CSS
- OpenCV, Flask, PyTorch, Pandas, CUDA, and TensorFlow
- Django Python, Django Rest, SQL, SQLite, and Firebase
- Tailwind CSS and Bootstrap
- React.js, Next.js, and Vue.js
- Microsoft Office Suite, Adobe Creative Cloud, Vercel, and Canva

PROJECTS

Croppy Deals, 2nd place HackMerced IX, <https://devpost.com/software/croppy-deals> March 2024

- *Best Use of Flow* award for best crypto blockchain integration
- Aggregates agricultural data metrics to assist with determining future crop demand and rotations
- Provides farmers independent POS integration to compete with contract farming monopolies

ByTech, <https://devpost.com/software/bytech> August 2023

- Classroom platform focused on Computer Science
- Allows teachers to create 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

WildEyeAI, <https://devpost.com/software/wildeyeai> July 2023

- AI-based wildlife protection project
- Identifies movement in camera footage using image subtraction techniques, submits the frames with detected movement to an AI image classification model, and if an animal is detected within the frame, sends a POST request to a Flask server to store the image
- Trained using the TensorFlow Inception_V3 model

Crescent Novels, June 2020 - June 2023

- 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
- Developed full stack features and functionalities using Python (Django), JavaScript, and MySQL
- Deployed website using Amazon Web Services (AWS) using EC2 instances
- Grew website to over 500 active users

AWARDS

- **National Merit Scholarship Finalist** 2023
- **HackMerced IX** - \$1000 earned 2024