

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**, <https://devpost.com/software/croppy-deals>, <https://www.croppydeals.co> March 2024
- Decentralized produce marketplace for agriculture
 - Provides farmers both an alternative to contract farming and easily accessible market data to assist with determining future crop rotation
 - 2nd place out of 46 projects at HackMerced IX
 - Won additional blockchain integration award for *Best Use of Flow*
- ByTech**, <https://devpost.com/software/bytech>, <https://dualhacks.vercel.app> 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>, <https://github.com/seika5/deepimageclassifier> 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**, (currently archived) 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 - \$500 earned** 2024