

Holden Adamec

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I love exploring challenging problems and designing high quality software solutions. You'll find me to be a quick learner and eager to work with others.

EXPERIENCE

MagikVision - *Software Intern* (SUMMER 2019)

Designed and wrote software for a sports auto-production company

- Used OpenCV tracking and number recognition to find frame loss in broken YouTube videos
- Analyzed YouTube's APIs to extract timestamps in order to synchronize excruciatingly disjointed databases
- Created progressive web app for video playback and analysis by coaches

Iron Claw FIRST Robotics Team 972

Programming Director (2019 - 2020)

Supervised the entire programming sub-team of approx 14 students

- Trained all students in basic programming and control systems design
- Managed and integrated multiple programming projects to meet unrealistic deadlines
- Wrote and tuned PID controllers to precisely control integral elements of robot

Programming Lead (2017 - 2019)

Provided programming support in preparation for and during robotics build season

- Developed curriculum and trained programming team members
- Programmed state machines on the robot to control it during games

SKILLS

Languages

Java, JavaScript, Python, HTML, CSS

Tools

MongoDB, Node.js, OpenCV, Nginx, Bash, Linux

EDUCATION

UC San Diego - *Class of 2024*

- Computer Engineering Major

Los Gatos High School - *Class of 2020*

- 4.4 GPA

ACHIEVEMENTS

5/5 on AP Computer Science Test

Second Degree Black Belt in Taekwondo

INTERESTS

Hiking and rock climbing

Avid world traveler