

Cody Martinson

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Experience

Software Engineer | Supreme Kaii

July 2020 - Current

- Developed a user friendly, single page, fitness web app using the MERN stack(MongoDB, Express, React.js, & Node.js).
- Integrated fitness and nutrition API's into the web app to allow users to access all necessary information in one place rather than going to outside resources.
- Collaborated with stakeholders and reported on a weekly basis about the status of the project.

Data Annotator | BYUI Research and Business Development Center

July 2020 - April 2021

- Programmed and debugged Python and JavaScript code that increased efficiency of the team by 10-15% and reduced error rates by 8-10%
- Researched Machine Learning and Computer Vision papers to present to our team and to our contractor, and showed how they could possibly improve current methods.
- Annotated 10,000+ images, being the fastest annotator on the team, while also receiving the lowest error rate.

Education

University of San Diego

M.S. Applied Artificial Intelligence

Brigham Young University

B.S. Computer Science

September 2017 - April 2021

Skills

Technical:

Python, Machine Learning, Computer Vision, NLP, Spark, AWS, Microsoft Azure, C++, React.Js, JavaScript, Git, GitHub, Docker

Projects

Written Chinese Document Analyzer (Python):

Using Computer Vision, this project took in images from Family Search, used a pre-trained OCR and identified characters on a page. It then checked if that page was added to a person's family history or not.

Fighting Game Computer Vision Tracker (Python) :

Using Computer Vision, my project took in video data, and plotted damage taken vs damage given. Machine Learning was then added to project the live probability outcome of a given player.