

Kyle Jeffrey

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WORK EXPERIENCE

Everyday Robots @ Google X, The Moonshoot Factory

Nov. 2021 – Jan. 2023

Python Developer

Mountain View, CA

- Everyday Robots manufactured general purpose machine learning robots to solve household tasks.
- As software developer on the Impact Lab:
 - Developed cloud infrastructure to replay a multiple robot service with graphic analysis.
 - Improved speed of services by up to 1000% with runtime analysis of application, using the snakeviz runtime analyzer.
 - Developed CLI to run application and bash tmux program to configure environment, improving startup time by at least 300%.
- Created multiple scripts to configure and launch integration tests for large cloud reinforcement training programs.
- Projects worked on:
 - [Music Mode](#)
 - [Gesture2Path](#)

FS Studio @ Google Robotics

May 2021 – Nov. 2021

Teleoperator Tactician

Mountain View, CA

- Collected, cleaned data, and conducted evaluations(e.g, biases, limitations) for ml models..
- Developed graphical interface for data collection tasks, improving collection rates by at least 30%.
- Created documentation and data tracking websites to review data collected.
- Projects worked on:
 - [SayCan](#)

Yektasonics

Jan 2019 – Nov. 2019

Lead Hardware Engineer

Santa Cruz, CA

- Built and tested PCB boards for beam former.
- Created test harnesses to validate operation of IC chips.

EDUCATION

University California Santa Cruz

Graduation Jan, 2021

Bs, Robotics Engineering

Santa Cruz, CA

- Tau Beta Pi Honors Society, [Senior Thesis](#) Completed.
- Mountain Bike, Camping club and sailing club member.

PROJECTS

- [Graph Theory Visualizer](#): HTML, CSS, Javascript, Graph Theory
- [MamaMeme Party Game](#): HTML, CSS, Javascript, NodeJS, Websockets, AWS
- [Senior Robotics Thesis](#): Robotics, Fusion 360, Matlab Simulink, Circuit Design, C, Sensors, Lit review.

SKILLS & INTERESTS

- **Skills:** Django, Robotics, Data Infrastructure, ML Infrastructure, Python (Programming Language), SQL, C++, Engineering, Python, NodeJS, JavaScript, MATLAB, MongoDB, MySQL, Docker, Unix, Linux, Git, Bitbucket, JIRA, VSCode, JSON, HTML, CSS, AJAX, Arduino, Raspberry Pi, Swift, C, C++, MS Office, Integration/Unit Testing, Postman, Firebase, AWS S3, Kubernetes/Amazon EC2, Object Oriented Programming, Functional Programming, Data Structures & Algorithms, XML
- **Interests** Music Production, Guitar, Piano, 3d Printing, Sailing, Mountain Biking, Eating