

# Kai Ferrall

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## EXPERIENCE

### ecobee — Software Engineer Intern

May 2020 - Present

- To minimize error costs, integrated data pipelines to monitor and validate drop ship program.
- Some random filler text to make it filled out.

### Pitch Development — Full Stack Web Developer

May 2019 - Sept 2019

- Developed a generic video and image microservice to handle all media uploads and delivery for a web application. Saved **approximately 40 hours** of work by generalizing this process.
- To optimize speed, developed a database cache with Redis. On average **saving 176ms per authenticated request**.

### Englinks — Engineering Tutor

April 2019 - April 2020

- Tutored fellow engineering students in C & MATLAB programming, calculus, and linear algebra.
- Covered topics such as pointers, search/sort algorithms, path integrals, matrices and

## LANGUAGES

Python 3, Node.js, JavaScript +  
HTML5 + CSS3, Java, C

## TOOLS & TECHNOLOGIES

Google Cloud + Amazon Web  
Services, MongoDB + MySQL, Git,  
Redis, Jira + Confluence, Stripe API,  
Heroku, Netsuite, Postman, Regex

## FRAMEWORKS & LIBRARIES

React + Redux, Express, OpenCV,  
Flask, jQuery, JUnit, Pandas + Numpy

## OTHER SKILLS

Microservice design/dev, RESTFUL  
API integration/dev, Agile, technical  
report writing, JWT token  
authentication