

# Braiden Sommer

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## WORK EXPERIENCE

### IT Intern

May 2023 – August 2023

*Taylor Morrison*

*Scottsdale, Arizona*

- Cultivated proficiency in Active Directory and Azure Active Directory management, overseeing a user base of over 500 within an organization
- Engineered PowerShell scripts, reducing server configuration time by 10% and enhancing operational efficiency
- Resolved and troubleshooted company-wide issues within defined timelines, contributing to improved client satisfaction

## PROJECTS

### Package Tracker

[https://github.com/electricman991/business\\_logic](https://github.com/electricman991/business_logic)

- Developed and refined four API endpoints utilizing REST architecture to efficiently deliver data
- Implemented a robust system for tracking delivery truck locations, utilizing a Riak database to seamlessly update with real-time location data from hundreds of trucks
- Adhered to principles of OTP architecture to ensure scalability and reliability in handling thousands of user requests, resulting in a streamlined and responsive system architecture

### Full-Stack YouTube Clone

<https://github.com/electricman991/yt-web-client>

- Built a dynamic frontend interface using Next.js, showcasing a list of 10 videos to users, while simultaneously benefiting from the scalability and reliability provided by cloud-based deployment
- Spearheaded the creation of a scalable backend service built using Go, responsible for processing, storing, and uploading user-submitted videos in a seamless and efficient manner
- Leveraged cloud Pub/Sub to establish a robust notification system, enabling real-time communication between the frontend and backend services. This allowed the backend service to process videos in a queue-based manner which helps the backend service to not be overloaded

### Real Estate API

[https://github.com/electricman991/housing\\_market](https://github.com/electricman991/housing_market)

- Crafted three API endpoints applying REST architecture to efficiently deliver real estate data to clients
- Extracted and processed data from over 5 CSV files, implementing data manipulation techniques to refine results, ensuring 100 most relevant entries are presented upon API request
- Engineered endpoints using Python with FastAPI, harnessing powers of "Pandas" library to seamlessly interact with CSV files, manipulate data, and fulfill specific requirements

## SKILLS

Time Management, Adaptability, Critical Thinking, Problem Solving, Collaboration

Technical: Experienced- Python and TypeScript/JavaScript. Proficient- C#, C++, C, Java, and Erlang/Elixir

JavaScript/TypeScript frameworks, REST APIs, Fullstack, Backend, Functional Programming, Data Storage

Accounting Knowledge: Understand accounting concepts and have worked on small business accounting

Technology: Cloud Computing, S3, Postgres, SQLite, Linux, Docker, Networking, Data Visualization, Google Cloud, AWS, Digital Ocean, API's

## EDUCATION

### Computer Science

September 2020 - April 2024

*Brigham Young University - Idaho*

*Rexburg, Idaho*

3.9 GPA