

Kye Elliott

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EDUCATION

Brigham Young University | B.S., Computer Science

Provo, UT

- GPA: 3.98
- Graduated Magna Cum Laude
- National Merit Scholarship Recipient: Full Tuition, 8 semesters

EXPERIENCE

Software Engineer

May 2023 - Present

Altitude AI | Salt Lake City

- Led the development of a cutting-edge robotics application for food processing, generating \$144,000 in recurring revenue and driving the startup from pre-revenue to post-revenue.
- Developed a standardized and user-friendly UI for robot operation that is currently being used in production facilities across the United States.
- Traveled to multiple facilities to deploy robots and engage in direct communication with customers, fostering strong client relationships and ensuring successful implementation.
- Created an interactive dashboard using **Python**, **Snowflake**, and **SQL** to visualize and monitor various runtime metrics of deployed robots, providing customers with insights for optimizing operations.

Computer Science Teaching Assistant

Jan. 2021 – April 2023

Brigham Young University | Provo, UT

- Provided one-on-one mentoring to over 1,000 students to help them understand the fundamentals of **C++** and object-oriented programming, specifically relating to data structures.
- Proof-read student code in order to gain a better understanding of software engineering concepts.
- Develop strong communication skills in order to assist students quickly and effectively.

Software Engineering Intern

May 2022 – Aug. 2022

United States Air Force | Ogden, UT

- Implemented various features with an Agile testing framework using **ROS** in order to meet the demands of clients.
- Collaborated with a team of developers to create 5 ground drones that are able to find a target and communicate with each other over a network.
- Created a visual interface using **Python** to monitor the video feed received from the drones, as well as the network status of each drone.

TECHNICAL SKILLS

Languages: Python, C++, Java, Javascript, HTML, CSS, SQL, Bash

Tools: Git, Linux, AWS, Snowflake, Visual Studio Code, Figma, Android Studio

PROJECTS

Campus Collab Android App

- Developed an Android application where students can create project boards to advertise new or ongoing projects that they are working on to collaborate with other students and improve their technical skills.
- Created a multi-page frontend using **Java** and backend using **Firebase**.
- Designed the UI/UX using **Figma** to speed up the development process.