

WILL HAM

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EDUCATION

University of Colorado Boulder

Graduation: May 2024

Bachelor of Arts in *Computer Science*, GPA 3.1

Minor in Creative Technology and Design, GPA 3.5

Coursework: CS as Field of Wk and Study, CS 1: Starting Computing, Comp Sci 2: Data Struct, Computer Systems, Discrete Structures, Fundamentals of HCI, Princip of Prog Langs, Database Systems, Software Dev Methods and Tool

Activities and Accomplishments:

Chi Psi Delta Fraternity

Intramural Hockey

WORK EXPERIENCE

Software Engineer

Boulder, CO | (March 2022 - Present)

Snag Delivery

Technologies: Dart/Flutter, Typescript, Google Cloud Platform, Firebase, GoLang

- Revamped the customer communication strategy by developing an efficient GoLang CLI tool, leveraging the Vonage API, to disseminate promotional information and store updates via text messages to a huge customer base.
- Built a proprietary driver delivery dispatching app from scratch, named “Nexus”, to replace a third party app. The app enabled drivers to clock in, claim orders, execute deliveries, and capture customer’s IDs through photos.
- Designed and implemented scripts to monitor and analyze driver performance. Optimized analytics through Google’s Data Studio to showcase insightful statistics in a user friendly graphical interface.
- Integrated Mapbox API into the TypeScript backend to enable real-time geolocation of drivers, allowing for tracking of orders, showcasing the distance to the customer order and the most efficient route between orders in queue.

Store Operations Manager

Boulder, CO | (December 2021 - August 2022)

Snag Delivery

- Successfully managed store with over 50 college employees, ensuring smooth day-to-day operations.
- Coordinated the ordering and receiving of all inventory, ensuring that all products were readily available to customers.
- Created schedules for all employees, balancing the needs of the business with the employees availability. While optimizing labor utilization and staffing efficiency.
- Oversaw fulfillment of tens of thousands of orders per month ensuring 10 minute delivery to customers.

Software Engineer

Remote | (December 2020 - April- 2021)

Kage AIO

Technologies: GoLang, MongoDB

- Designed an analytical GoLang API that tracked essential metrics such as dollars spent and the number of successful checkouts. Utilized MongoDB for its efficient and Humongous IO for seamless data display.
- Developed a high-performance module for a popular United States sneaker website, resulting in faster check-out times and generating substantial profits for users.
- Successfully replicated the fingerprints of popular web browsers such as Chrome and Firefox, using the GoLang uTLS package.
- Demonstrated exceptional programming skills by contributing to the robustness of Kage, with a total of over \$1.5 million dollars spent between users and close to 100,000 checkouts.