

EXPERIENCE

Software Engineer

Snap Inc.

Feb 2021 – Aug 2022

Seattle, WA

My Lenses APIs Portal

- Led front-end development in a cross-functional effort for a feature empowering creators to seamlessly request access to external API endpoints, resulting in a 50% increase in web app functionality
- Led the redesign and migration of legacy JavaScript code to **TypeScript/React**; developed and implemented a custom table component for enhanced search, sort, and filter capabilities of API endpoints, leading to a 30% reduction in load times
- Spearheaded the creation of UI mock-ups in **Figma** and collaborated with designers to ensure alignment with Snap Design System standards

Spectacles Test Hub

- Collaborated with a team of 3 engineers to launch a new high-impact Spectacles testing suite web app, utilizing **JavaScript/React** and **Python/FastApi** to integrate robust debugging tools, resulting in a 25% increase in developer productivity and streamlined testing procedures
- Conceptualized and crafted UI mock-ups for 3 key pages with **Figma**, directing successful implementation by two engineers, resulting in improved functionality and visual appeal of the platform

Build Artifacts Dashboards

- Developed **Grafana** and **Looker** dashboards using **SQL** and **LookML** for Spectacles' build artifacts under the guidance of a senior engineer, enabling the team to optimize resource allocation, resulting in a 30% reduction in memory waste and increased operational efficiency
- Integrated **Python** and **Bash** scripts into the build pipeline to capture and upload build artifact metrics to **GCP BigQuery** and Grafana Cloud, introducing real-time monitoring capabilities
- Spearheaded enhancing internal API functionality using **Python**, resolving 5 bugs and deploying 3 new methods

Software Engineer Intern

Snap Inc.

May 2020 – Aug 2020

Remote

- Engineered and deployed a robust Android CTS/VTs testing framework using a high-performance **gRPC** API and **Go** server infrastructure, utilizing a **Google Cloud SQL** database, and implementing a **JavaScript/React** web application to showcase comprehensive test results, enhancing overall test coverage by 20%
- Containerized and deployed back-end and front-end services using **Docker** and **Kubernetes**
- Delivered an engaging project presentation to organizational members, detailing project motivations, cutting-edge architectural designs, and the profound impact on engineering productivity

Software Engineer Intern

Microsoft

May – July 2019, May – Aug 2018

Redmond, WA & Sunnyvale, CA

- Processed Intune log data from Excel into **Power BI** reports, improving data analysis and reporting
- Developed a technical spec, obtained approval, and guided the creation of feature for implementation by colleague
- Utilized **C#** and **TypeScript** for implementation of telemetry reporting setting in Microsoft Edge, ensuring accuracy with integration and end-to-end testing

Student Researcher

The University of Texas at Austin

June 2017 – July 2017

Austin, TX

- Implemented popular optimization algorithms from academic papers using **Python** and **NumPy** in UT's Accelerated Research Initiative's Computational Materials stream, focusing on optimizing molecular geometry in alternative energy catalysts
- Created visualizations of potential energy surfaces with **Matplotlib** to determine most effective hyperparameter values

EDUCATION

The University of Texas at Austin

Master of Science in Artificial Intelligence

Expected May 2027

GPA: 4.0 Austin, TX

The University of Texas at Austin

Bachelor of Science and Arts in Computer Science; Minor in Studio Art

Aug 2017-Dec 2020

GPA: 3.5 Austin, TX