Education

The University of Texas at Austin

Expected May 2023

COMPUTER SCIENCE, B.S.

GPA: 4.0

• Relevant Coursework: Computer Graphics (C++/OpenGL), Artificial Intelligence (Python), Operating Systems (C), Computer Architecture (C), Data Structures (Java), Linear Algebra, Discrete Mathematics

Work Experience _____

Facebook

Remote - New York City, NY

SOFTWARE ENGINEERING INTERN

Aug 2021 - Nov 2021

- Built out a new feature from end-to-end to set custom product cover images creator collections on Instagram Shops using **Hacklang** and **Python Django**.
- Created a new database schema to support the feature and integrated it with shop-building backend framework.
- Implemented full frontend flow by adding UI elements using Bloks, a server-side rendering framework.

Slack Technologies

SOFTWARE ENGINEERING INTERN

Remote - Austin, TX

- May 2021 Aug 2021
- Restructured the Enterprise Grid migrations framework to ensure duration estimates are front-of-mind during development, improving scalability and accuracy for a system that represents \$84M in ARR (18% of Slack Enterprise APR).
- Developed a tool to keep track of duration estimate changes in a **MySQL** table and alert of significant updates, in order to enhance transparency and streamline the migration process for both Slack representatives and customers.

UT Austin Department of Computer Science

Austin, TX

UNDERGRADUATE TEACHING ASSISTANT

Jan 2021 - May 2021

- Teaching assistant for CS313E: Elements of Software Design, a data structures & algorithms class taught in **Python**.
- Wrote grading scripts for assignments and exams, and held triweekly office hours to help students debug code.

Google

Remote - Austin TX

STUDENT TRAINING IN ENGINEERING PROGRAM (STEP) INTERN

May 2020 - Aug 2020

Worked closely with two other interns to design and develop a full-stack event organizer web application using
HTML/CSS, JavaScript, Java servlets, and Google Cloud Platform APIs. Utilized Apache Spark to create a recommendation system that combines collaborative and content-based filtering to suggest events to users.

Projects

Polymesh Subdivider

COMPUTER GRAPHICS INDEPENDENT FINAL PROJECT

- Used C++ and OpenGL to create an interactive polymesh renderer that loads 3D models from .OBJ files.
- Implemented the catmull-clark, loop, and doo-sabin subdivision algorithms.

PintOS

OPERATING SYSTEMS CLASS PROJECT

• Significantly expanded a toy OS using **C**. Incorporated priority scheduling, system calls for user programs, and virtual memory, and converted the existing single-thread file system into an multi-threaded, multi-level indexed file system.