

EDUCATION

University of Texas
Austin, TX

Aug 2020 — May 2024

- Cumulative GPA: 3.265/4.00
- Relevant coursework: Data Structures, Discrete Math, Computer Architecture, Operating Systems.

PROJECTS

Responsive Portfolio Website

- Implemented the structure to create a one-page portfolio website including links to subsections in HTML5.
- Utilized CSS3 to layout and style a responsive site, combined with visually pleasing elements properly sized media with media queries.
- Leveraged JavaScript to make web-page interactive. Implemented popout menus, cascading skill dropdowns, and timeline segments for education and work. Also designed a scroll button and a light/dark mode toggle.

Pintos

- Built the foundations of a OS using the Stanford Pintos codebase in the C programming language.
- Implemented basic thread functionality, CPU scheduling based on priority, and a memory paging system. Also extended the functionality of the file system and created extent-based allocation.
- Worked in a pair-programming environment and used GitLab to track changes as a team.

Command-Line Interpreter

- Constructed a command line interpreter using C that could run system calls.
- Learned the basics of concurrency and implemented the ability to fork new processes.
- Designed to be run through an interactive terminal window; functions as an alternative to a shell.

EXPERIENCE

Undergraduate Research (Part-time)

Apr 2022 — Present

University of Texas

Austin, TX

- Creating a website through use of HTML, CSS, and JavaScript to display a clear visualization of mapped gene mutations to the reference human genome with flexible tab delimited input.
- Deployed a back-end query and computation system with R to compute gene mutation to amino acid change allowing for dynamic adjustment of visualization.

Computer Science Tutor (Part-time)

Feb 2022 — May 2022

Liberal Arts and Science Academy

Austin, TX

- Gave in person tutoring to students three days a week at the 41st ranked high-school nationally.
- Offered tutoring for LASA's Intro to CS course in Python, AP CS course in Java, and Advanced CS course in C++.

Private Tutor (Part-time)

Sept 2019 — May 2020

Self-Employed

Cypress, TX

- Gave hybrid lessons to 10+ students that were interested in developing personal portfolios.
- Taught remotely using HTML, CSS, JavaScript, and other virtual presentation tools.
- Offered supplemental curriculum revolving around Scratch and Java for younger students.

SKILLS

Skills: Java, Python, R, HTML, CSS, JavaScript, C, Git, DevOps, Teamwork, Collaboration, and Problem Solving