

- Problem Solving
- Teaching
- Developing
- Software Engineering

Objective: Inquisitive, energetic computer science specialist skilled in teaching, with a strong foundation in math, logic, and program development. Seeking to leverage solid skills in collaboration, communication, and development as a software developer.

EDUCATION

Bachelor of Science, Computer Science, University of Texas at Austin, GPA: 3.01/4.00 **Aug 2020 — Present**

- Relevant coursework: Data Structures, Discrete Math, Computer Architecture, Operating Systems.

Diploma, Cypress Woods High School, GPA: 6.81/6.00 **Sept 2016 — May 2020**

PROJECTS

Project 1, Responsive Website

- Used HTML5 to structure and create a one-page portfolio website.
- Used CSS3 to layout and style a responsive site, combined with visually pleasing elements.
- Used JavaScript to make the web-page interactive. Implemented a popout menu, cascading skill section dropdowns, and a visual switcher for education and work. Also designed a scroll button and a light/dark mode toggle.

Project 2, Pintos

- Built upon the foundations of a simple operating system using the Stanford PINTOS codebase fully in the C programming language.
- Worked in a pair-programming environment and used GitLab to track changes as a team.
- 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.

Project 3, Evil Hangman

- Created a hangman game with varying levels of difficulty using Java.
- Using a dictionary and the difficulty selected, the program would change the word that was being guessed making the game more or less challenging for the player.
- Giving the illusion to the player as a regular game of hangman, with a dictionary large enough, the game could be made to be almost impossible.

Project 4, UTCS Shell

- Constructed a command line interpreter using C that could run system calls.
- Learned the basics of concurrency with the implementation of forking new processes.

EXPERIENCE

Private Tutor (Part-time) **Sept 2019 — May 2020**

Self-Employed

Cypress, TX

- Gave hybrid lessons to 10+ interested students on developing personal portfolios.
- Taught using a combination of HTML, CSS, and JavaScript.

SKILLS

Experienced Java, C, Python
Familiar HTML, CSS, JavaScript, x86 Assembly

CERTIFICATION

Collaborative Institutional Training Initiative, Human Research(Curriculum group) - Social/Behavioral Researchers **Nov 2021**