Daniel Fernandez

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EDUCATION

The University of Texas at Austin, Austin, TX May 2022
Bachelor of Science in Computer Science, GPA 4.0
Relevant Coursework: Object-Oriented Programming, Data Structures and Algorithms, Computer Architecture and Machine Language

Del Mar College, Corpus Christi, TX May 2020
Associate of Science in Computer Science, GPA 4.0

- Graduated Summa Cum Laude

SKILLS

Technical /Computer Skills: Proficient in C, C++, Python, Typescript. Exposed to Java, C#, php
Languages: Fluent in Spanish

EXPERIENCE

Expedia, Austin, TX June 2021 – August 2021
Software Developer Engineer Intern

Dopple, San Francisco, CA June 2020 – September 2020
Software Engineer Intern

- Worked with other interns to design and create new features in the staff administration tool
- Migrated sections of the front-end application to React/Next.js
- Designed and implemented a REST API for an internal goals-dashboard to increase warehouse staff productivity
- Designed and developed an intuitive React user interface for the goals-dashboard

Del Mar College, Corpus Christi, TX October 2019 - June 2020
Student Tutor

- Tutor Mathematics (including Calculus I and II, Algebra, Trigonometry and TSI Preparation), Computer Programming (including Data Structures) and Physics (calculus-based)

PROJECTS (danielfernandez.me/repos)

- **Path Finding Algorithm Visualizer** – Educational software that shows how shortest path finding algorithms work. Written in C++, using SDL2.0 graphics. (danielfernandez.me/repos/dferndz/path-finder-visualizer).
- **Sorting Algorithm Visualizer** – Application that visually shows how different sorting algorithms work, written in C++ (danielfernandez.me/repos/dferndz/Sorting-Visualizer).
- **Pipelined Microprocessor** – Implemented a pipelined microprocessor simulator with LRU cache hierarchy that executes Y86-64 instructions (class project).
- **Dynamic Memory allocator** – Heap memory allocator that uses an explicit free list block organization to dynamically allocate memory, with 98% efficiency (class project).

CAMPUS INVOLVEMENT AND ACTIVITIES

- Association for Computer Machinery – Member September 2020 – Present
- Information & Systems Security Society – Member September 2020 – Present
- UT Competitive Programming – Member September 2020 – Present