

DANIEL GONZALEZ

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EDUCATION

The University of Texas at Austin, Austin, TX

August 2018 - August 2023

Bachelor of Science, Computer Science (with Highest Honors | GPA: 3.2)

Relevant Coursework: Wireless / Computer Networks, Neural Networks, Concurrency, Object Oriented Programming, Software Engineering, IOS / Swift Mobile Computing, Programming for Performance, Operating systems, Computer Architecture, Data Structures

SKILLS

Technologies: Visual Studio Code, Eclipse, XCode, ReactJS, Firebase, Flask, Google Cloud Platform, Git, Cocoapods, Homebrew, npm, Matlab, Linux, Windows, Mac

Programming Languages: Python, Swift, C, C++, Java, Golang, HTML, CSS, Javascript, x86 assembly

Spoken Languages: Fluent in Spanish

EXPERIENCE

Full Stack Software Engineer

December 2023 - Present

Lone Star Dev, Austin, TX

- I have played a key role in developing holistic web solutions for a small business in South Austin.

Software Engineer Intern

January 2022 - February 2022

Katana Graph, Austin, TX

- Collaborated with a team of Software Engineers to generate data using Katanas cutting-edge tools, enabling the debugging team to identify and resolve complex technical issues.

PROJECTS

- Small Business App & Website:** Collaborated with Rising Stars Bilingual Learning Center in Austin, Texas to create a website to reach new clients. A Swift-based iOS app is in the works with the goal to streamline parent-child info management. Enhanced communication and response. Accomplishments: Improved care quality with data archive. Boosted emergency response efficiency and operational flow by digitizing processes.
 - Skills: Swift, HTML, CSS, Javascript, iOS Dev, UI Design, DB Management, Problem Solving.
- Password Manager App:** Led 5-member team in creating a cross-platform password management iOS app. Utilized Firebase for security and GitHub for storage. Accomplishments: Established strong Firebase login, enabled cloud storage of encrypted data. Orchestrated cross-device compatibility and led UI design.
 - Skills: iOS Dev, Swift, CocoaPods, XCode, Firebase, UI Design, Security, Leadership, GitHub Integration.
- CLI Messaging App:** Developed CLI messaging app using POP protocol and UDP packets. Simple, efficient real-time communication solution. Accomplishments: Implemented POP protocol for messaging over UDP. Designed server-client architecture with unique IDs. Optimized message handling for stability under high traffic.
 - Skills: Python, Socket Programming, Network Protocols, CLI Dev, Optimization.
- QEMU OS:** Enhanced a Linux-derived OS in my OS class, by adding essential features, guided by the instructor. The enhancements covered process synchronization, memory management, concurrency, interrupts, scheduling, protection mechanisms, and file systems. Collaborated on integrating graphics using QEMU, involving RGB colors, VGA, VESA modes, and VBE.
 - Skills: C / C++, OS design, concurrency, memory management, file systems, graphics integration, and collaboration.
- FashionClassifier Net:** Developed a PyTorch-based neural network for clothing classification using the fashionMNIST dataset. The project involved processing 28x28 pixel images of diverse clothing articles and training the model to accurately categorize them. Gained proficiency in creating training, validation, and testing sets, along with model architecture design, criterion selection, optimizer utilization, and overfitting prevention techniques.
 - Skills: Python programming, deep learning, dataset management, and model optimization.

COMMUNITY INVOLVEMENT

Astronomy Students Association, Austin, TX - Member

August 2018 - Present

Longhorn Gaming Association, Austin, TX - Member

August 2018 - Present