

Danny Mairena

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EDUCATION

Texas Christian University

Bachelor of Science in Computer Science, Mathematics Minor

Fort Worth, TX

Aug. 2021 – Present

Ohlone College

Associate's in Applied Mathematics

Fremont, CA

Aug. 2019 – May 2021

Relevant Coursework: Analysis of Algorithms, Database Systems, Data Structures, Object-Oriented Programming, Techniques in Programming, Programming Language Concepts, Calculus 1, 2, 3, Linear Algebra, Discrete Mathematics 1, 2, Computer System Fundamentals, Web Technologies, Computer Network, Computer Network and Security, Software Engineering

TECHNICAL SKILLS

Languages: Java, Python, C/C++, SQL, HTML/CSS, Dart, JavaScript

Frameworks: Flutter, VueJS, React, Angular, Spring Boot

Developer Tools: Git, Docker, Github, VS Code, Visual Studio, IntelliJ, Eclipse

EXPERIENCE

Information Technology Network Engineer Intern

Texas Christian University

March 2023 – Present

Fort Worth, TX

- Collaborated with a senior network engineer to successfully expand 900 access points, resulting in a more reliable and secure network infrastructure for TCU's staff, faculty, and students.
- Programmed routers to support deploying new access points and provided troubleshooting assistance to ensure seamless integration with TCU's existing network infrastructure.
- Installed and configured routers and access points by industry best practices, demonstrating a strong understanding of network engineering concepts and protocols.

Flutter Hackathon

Google

December 2021 – January 2022

Remote

- Designed and developed a Slide Puzzle application using Dart and Flutter to compete in the 2022 Flutter Hackathon.
- Strengthened my proficiency in iOS application development and Dart/Flutter programming through hands-on involvement in this project.
- Earned a participation diploma from Google for demonstrating excellence in developing a Dart/Flutter application.

PROJECTS

SuperFrog Scheduler | *CSS, HTML, Vue.js, SpringBoot, Github*

March 2023 – April 2023

- * Worked with a team on the development of the SuperFrog Scheduler project, utilizing Vue.js for the frontend and Spring Boot for the backend, resulting in a seamless platform for scheduling private events with the official TCU mascot.
- * Collaborated effectively with the team to ensure seamless integration of frontend and backend components, resulting in a cohesive and efficient application.

Book Manager | *Python, MongoDB, SQL, Docker*

November 2022 – December 2022

- * Utilized advanced command line techniques to successfully import a MySQL database into MongoDB, providing streamlined and scalable database management solutions.
- * Designed and implemented a custom book management application using Python, providing users with a simple and intuitive interface for adding, editing, and deleting publisher and book records from the imported database.

ORGANIZATIONS

Computer Science Society
CodePath @ TCU (Vice-President)

Aug 2021 - Present
Aug 2021 - Present