

Dilhan I. Franco

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EDUCATION

B.S. Computer Science
California State University, Fullerton

Graduation Date: May 2023
Dean's List: Fall 2021 - Fall 2022

PROJECTS

CONVENIFIT | The Convenient all in one IOS fitness app available on the App Store **Dec 2022**

- Employed the **Harris-Benedict** formula to calculate the user's suggested **caloric intake** for weight loss and the **Mifflin-St Jeor** formula to calculate the user's suggested **macronutrient intake** given their current caloric intake
- Designed and implemented an **interval timer** that allows users to input their workout details, including the number of intervals, the length of each interval, and the duration of rest periods

TUFFY: THE VIRTUAL BUDDY | Navigate the CSUF Campus with ease **Nov 2022**

- Leveraged knowledge of **Arduino** programming and GPS modules to integrate **real-time location data** into the web application, providing users with a comprehensive map of the college campus and their location on it
- Utilized HTML5, CSS3, Bootstrap, and Node.js for the front-end and back-end development of the web application, creating a **responsive** and **intuitive** user interface
- Parsed the data using JavaScript and utilized the **Google Maps API** to display the user's location on the map in the form of a pin that refreshed every 5 seconds, providing users with a real-time view of their current location

VIRTUAL ADVISOR | Allow students to plan out their future courses without needing an advisor **Oct 2022**

- Implemented C++ and Open Source software QT for the GUI and MariaDB for the database, ensuring a highly efficient and reliable system for **storing** and **retrieving data**
- Constructed **Objected Oriented Class diagrams** to show interactions between all the classes used in the system, designed sequence and case diagrams for each feature to show how the user will interact with the system
- Licensed the final product under the **GPL V3 License**, ensuring that the software was open-source and accessible to all students, and documented all the information necessary

UNIVERSITY DATABASE | Search for Professor or Student records easily and efficiently **Nov 2021**

- Assembled the front-end design of the application with HTML5 and CSS3, creating a responsive and user-friendly interface that allowed users to **easily search** for records and view the details
- Used PHP to connect to the MariaDB database, creating a **reliable connection** that ensured the integrity of the data

WORK EXPERIENCE

SOUTH BAY TRUCK TOPS | IT/Web Development, *Torrance, CA* **Dec 2019 - Present**

- Provide IT support to the company, **troubleshooting** and **resolving** technical issues related to computer software, hardware, and networking
- Developed the company's website using HTML5, CSS3, and JavaScript, ensuring it is **user-friendly**, **mobile-responsive**, and **optimized** for search engines

DIEMA-DIES, STAMPING, ENGINEERING, AND PRODUCTION | Machinist, *Gardena, CA* **Jun 2020 - Jan 2023**

- Cooperated with lead Tool and Die maker on quality assurance of aerospace parts with tolerances as fine as **0.001 (±) 0.005** inch in accordance with customer drawing and ASTM specifications

THE HABIT BURGER GRILL | Lead Cashier, *Long Beach, CA* **Jun 2018 - Nov 2019**

- Maintained **communication** with managers and kitchen staff, **addressed** customer concerns, and ensured that all restaurant policies and procedures were followed by other cashiers

EXTRACURRICULARS

ASSOCIATION FOR COMPUTING MACHINERY (ACM) | Member **Jan 2022 - Present**

- Attend weekly meetings to practice and **discuss complex topics** related to computer science and programming

AMERICAN MARKETING ASSOCIATION (AMA) | Member **Aug 2022 - Jan 2023**

- Engaged in elevator pitch challenges and other public speaking events, honing **presentation and communication skills**

TECHNICAL SKILLS

Languages: Python, C/C++, SQL

Mobile Development Objective-C, Swift, SwiftUI

Web Development: HTML5, CSS3, JavaScript, Node.js, PHP

Technology: Git, Bitbucket, Jira, \LaTeX , Photoshop, After Effects