MARK OLIVAS

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La Mirada, CA

EDUCATION

California State University, Fullerton   Fullerton, California
Bachelor of Science, Computer Engineering   May 2023
3-Time Dean's List Recipient

Google IT Support Professional Certificate   Coursera, Online
Online IT Certificate   June 2023
- Comprehensive IT support program covering strong troubleshooting skills, customer service, networking services, operating systems, system administration and cybersecurity

TECHNICAL SKILLS

- **Embedded Software Engineering** | **Information Technology Support** | **Object-Oriented Programming**
- **Programming Languages:** Python | Verilog | VHDL | C++ | Embedded C | HTML | CSS
- **Hardware**: Desktop Support | Managing Networks | Printer Maintenance | Building PCs | Circuit Analysis
- **Technical:** Xilinx Vivado | TCP/IP | MATLAB | LT SPICE | Wireshark | Bash | PowerShell | Microsoft Office Suite
- **Computer Operating Systems:** (Windows | Linux | macOS) & Mobile OS: (iOS | Android)

PROJECTS

Smart Faucet - Senior Capstone Project   August 2022 - May 2023
- Led a collaborative team of three members to develop a smart kitchen faucet using ***Python*** and a ***Raspberry Pi***
- Integrated object recognition, TensorFlow, and programmable water flow systems to optimize water consumption

Golf Scorecard   November 2022 - December 2022
- Designed and programmed a golf scorecard counter using ***Verilog HDL*** and implemented it on a Nexys A7 FPGA Board, displaying the score on a seven-segment display

Traffic Controller   September 2022 - October 2022
- Developed a traffic light control system using ***Embedded C*** code, MSP432 Microcontroller, switches, and LEDs, on a Breadboard circuit

EXPERIENCE

Dreams for Schools - *STEM Instructor*   November 2022 - May 2023
- Instructed 10-12 Middle School students in an after-school program how to code in ***Python*** and ***C++*** to build projects utilizing an Arduino UNO, introducing them to the field of Electrical, Computer Engineering and Computer Science
- Led students to accomplish constructing a Remote-Control Arduino Race Car using ***Python*** and Breadboard Circuits promoting hands-on learning and problem-solving skills
- Collaborated with the development team to create engaging lessons and establish education curriculums for hundreds of students, fostering a passion for technology and innovation

Albertsons, LLC - *Cashier*   September 2018 - Present
- Managed point-of-sale (POS) operations for 24 hours a week, handling daily sales of $6000 while ensuring accurate cash and card transactions, promoting the organization's emphasis on quality customer service
- Collaborated with a diverse team of 100 members to achieve 97% overall customer satisfaction, fostering a positive and community-oriented store environment