Alexis Nhan

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Education

California State University, Fullerton - *Computer Engineering*   May 2025
GPA: 3.60

Projects

FSM Ticketing Machine   October 2024 - November 2024
California State University, Fullerton
- Designed a Mealy finite state machine to simulate a ticket dispensing machine
- Coded, debugged, and simulated Verilog code through Vivado to ensure the design was followed
- Implemented the Verilog code design onto a Nexys A7-T50 FPGA board

Theta Bot   March 2023 - April 2023
California State University, Fullerton
- Designed a battle robot using 3D software Fusion to lay out critical components of the design
- Planned and constructed the battle bot's physical frame to ensure the electrical housing
- Wired and soldered electrical components together to allow for proper movement for the robot

STL Data Analysis   December 2022
California State University, Fullerton
- Analyzed the time efficiencies of functions performed on different data structures in C++
- Compared different functions performed by various structures to examine each structure's time efficiency
- Coded and debugged different C++ data structures

Experience

IT Consultant - *California State University, Fullerton*   August 2023 - PRESENT
- Provide in-person, phone, and chat support for campus-related applications to users for a variety of software
- Provide hands on support for various hardware-related issues on Windows, Mac, iOS, and Android platforms
- Assist users with questions regarding software applications, troubleshooting problems, and escalate issues to lead consultants for special requests or complex issues

Courses
- Data Structures
- Microcontrollers
- Designing with VHDL and Verilog
- Operating Systems
- Computer Design and Organization
- Electronics and Electric Circuits

Skills
- Computer Languages: C++, C, Python, Java, HTML, CSS, Javascript
- Computer: Microsoft Word, Excel, and Powerpoint
- Skills: Teamwork and Communication
- Operating System: Linux and Windows

Organizations

Tau Beta Pi   **Theta Tau - Phi Epsilon Chapter**