Andrew Cali

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EDUCATION

PURDUE UNIVERSITY, West Lafayette, IN   Graduation: May 2025
- BS Computer Engineering   GPA: 3.70

OBJECTIVE

Seeking a position in computer hardware/software development utilizing my skills and education.

SKILLS

PROGRAMMING AND SOFTWARE
- C, Verilog, MATLAB, LTSPICE, Python, HTML, CSS
- Prospective skills: OOP, Microprocessors, Computer Architecture, Embedded Systems

COURSEWORK
- Data Structures and Algorithms, Microprocessor Systems, Signals and Systems

PROJECTS

DIGITAL DESIGN DRUM MACHINE   Mar. 2023
- Programmed FPGA board to create a drum machine written in Verilog
- Uses different sounds and tempo function to generate a beat pattern

TILING SOLUTION   Sep. 2022
- C program, utilizing memory allocation to create a tiling solution based on an incomplete tiling pattern
- Tile structures similar to Tetris are auto generated and fill in gaps left until floor plan is complete

MARATHON TIMING SYSTEM   Jun. 2023
- Programmed Raspberry pi to time and track runners at Sun and Ski sponsored event
- Uses GUI and motion sensor to document and display finishing times

WORK EXPERIENCE

Sun and Ski Sports, *Sales Associate*   May 2023- Aug. 2023
- Addressed customers with product selections, and helped facilitate store operations while coordinating and working closely with teammates to ensure store functionality

Abercrombie & Fitch, *Brand Representative*   May 2023- Aug. 2023
- Engaged with customers, promoted brand image, and delivered exceptional shopping experiences to enhance customer satisfaction through genuine interactions

Ciro's Italian Grill, *Server*   May 2022- Aug. 2022
- Enhanced interpersonal skills by engaging with guests and delivering attentive and personalized customer service, and coordinating with coworkers to ensure quality of service

Aura Aquatics, *Lifeguard*   May 2020- Aug. 2021
- Exercised strong leadership as a lifeguard by improving communication and vigilance, ensuring pool safety through proactive risk management and leading quick responses to potential hazards

EXTRACURRICULARS

IEEE at Purdue University   Feb. 2023- Present
- Member of the Computer Society technical committee, working on projects in developing games on a raspberry pi and a machine learning project developing a chat bot

Musical Instrument, *Cello*   Aug. 2014- Present
- Practiced and performed in numerous venues, including Carnegie Hall (2018), Lincoln Center (2020), Rudolfinum, Prague (2022), and the Muskiverein, Vienna (2022)
- Member in the Purdue Philharmonic Orchestra