

Dean Georgostathis

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deang.dev

Pursuing a Spring 2021 Co-op (January-May)

Education

University of Cincinnati, Cincinnati, OH

- Bachelor of Science in Computer Engineering

Class of 2023

GPA 3.10

Skills

- VHDL
- FPGA Development
- Digital Design
- Arduino
- Breadboard Electronics
- Python
- C++
- MATLAB
- VBA
- ModelSim

Relevant Projects

Project Portfolio Website : deang.dev

- 8-bit, Breadboard Based, Arithmetic Logic Unit (ALU)
 - Built an ALU which performs arithmetic (basic operations) with two 8-bit binary numbers.
 - Utilized: digital design, 5 breadboards, 28 ICs, transistors & capacitors.
- FPGA Controlled 4-Axis Wooden Robotic Arm
 - Designed from scratch and built a 4-Axis arm with wood, epoxy, and 8 servo motors.
 - Designed VHDL scripts to position the servo motors with pulse width modulation.
 - Utilized: Altera FPGA, VHDL, Cyclone II IDE, 8 servo motors, UBEC, Arduino for IR.
- 2-bit Breadboard Based Multiplier
 - Designed a 2-bit multiplier schematic using Karnaugh map simplification.
 - Implemented the schematic on breadboard with discrete, non-sequential logic.
- Modified SR Latch
 - Discovered the T flip-flop after modifying a transistor based S-R latch with touchpad input.
- C++ Videogame Projects
 - Developed Conway's game of life and Minesweeper in C++.
- Various Arduino Projects
 - Utilized: joystick, seven segment display, motion sensor, stepper and servo motors, IR transmitter and receiver for various small Arduino practice projects.
- Circuit projects with transistors
 - Built various latches & flip flops and recreated all logic gates with transistors for practice.

Experience

Technical Intern, Interlink Cloud Advisors, Landon, OH

8/24 – 12/13/2019

- IT Helpdesk, project assistant.
- Provided IT support while working directly with clients from 50+ corporations.
- Developed a VBA script in Excel to help with daily analysis of service board.
- Worked extensively with windows 10, and most apps in the Office365 suite, through Interlink's unique partnership with the Microsoft Corporation.
- Attended, documented and assisted in the implementation of IT environments for clients during many client meetings with Interlink executives.