Dean Georgostathis

513-600-7028
georgoac@mail.uc.edu
deang.dev

Pursuing a Fall 2021 Co-op (August-December)

Education

University of Cincinnati, Cincinnati, OH — **Class of 2023**

- Bachelor of Science in Computer Engineering — GPA 3.16

Skills

- VHDL
- FPGA Development
- Digital Design
- Arduino
- Cadence PCB Design
- Python
- C++
- MATLAB
- VBA
- ModelSim

Relevant Projects

Project Portfolio Website : deang.dev

- Refrigeration Development Board Re-Design for GE Appliances
  - Implemented new circuits into the schematic for the 3.0 multi-purpose refrigeration development board using Cadence Design Systems software.
  - Designed a new PCB layout for the board with Cadence.
- Load Box and Hardware Fixture builds for Software and Quality Assurance teams at GEA
  - Built 10 load boxes and 5 hardware fixtures which replicate the full electrical systems of an appliance which aide the Software and QA teams.
- 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.

Experience

Electronics Co-op, GE Appliances, Louisville, KY — **Spring 2021**

- Supported the Sprout team electronics department in refrigeration at GEA.
- Gained experience with a wide range of lab equipment working daily in the electronics lab.
- Redesigned the schematic and layout of the refrigeration development board with Cadence.
- Assembled and re-worked lots of hardware and harnesses including 10 load boxes.
- Black box tested hardware of Non-Dispense refrigeration UI and Translator Board.
- Assisted in Accelerated Life Testing for AP5 LCD.

Technical Intern, Interlink Cloud Advisors, Landon, OH — **Fall 2019**

- 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.