

Dean Georgostathis

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

Pursuing a Summer 2022 Co-op (May-August)

<u>Education</u>	University of Cincinnati, Cincinnati, OH	Class of 2023
	<ul style="list-style-type: none">• Bachelor of Science in Computer Engineering	GPA 3.29

<u>Skills</u>		
	<ul style="list-style-type: none">• Cadence PCB Design• Upverter PCB Design• Embedded Systems Design• FPGA Development	<ul style="list-style-type: none">• Python• C++• MATLAB• VHDL

Relevant Projects

- (Work) Control and Sensor Board Design and Build for Mella Mushroom Growing Chamber
 - Designed schematic and layout for the Mella board using Upverter by Altium.
 - Sourced parts and coordinated with AP2 prototype lab to have the first ones built.
 - Implemented an ATMEGA μ processor in the design flashed it using Atmel Studio.
- (Work) Refrigeration Development Board Re-Design for GE Appliances
 - Implemented new circuits and designed a new PCB layout for the 3.0 multi-purpose refrigeration development board using Cadence Design Systems software.
- (Personal) 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.
- (Personal) FPGA Controlled 4-Axis Wooden Robotic Arm
 - Designed from scratch and built a 4-Axis arm with wood, epoxy, and 8 servo motors.
 - Utilized: Altera FPGA, VHDL, Cyclone II IDE, 8 servo motors, UBEC, Arduino for IR.

<u>Experience</u>	Electronics Co-op, GE Appliances, Louisville, KY	Fall 2021
--------------------------	---	------------------

- Supported Electronics team at FirstBuild by GEA.
- Designed the control and sensor board for FirstBuild's Mella mushroom growing chamber.
- Designed, sourced parts for, and built multiple PCBs for various projects and products.
- Gained experience using an LPKF milling machine to mill PCBs.
- Conducted market research, customer discovery, and product validation for a smart mirror product.

- | | |
|---|--------------------|
| <ul style="list-style-type: none">• Supported the Sprout electronics team 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. | Spring 2021 |
|---|--------------------|

- | | |
|--|---|
| <ul style="list-style-type: none">• 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.• Attended, documented and assisted in the implementation of IT environments for clients during many client meetings with Interlink executives. | Technical Intern, Interlink Cloud Advisors, Landon, OH
Fall 2019 |
|--|---|