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

Dean Georgostathis

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

- Bachelor of Science in Computer Engineering GPA 3.385

Skills

- Cadence PCB Design
- Upverter PCB Design
- Embedded Systems Design
- FPGA Development
- Python
- C++
- MATLAB
- VHDL
- LABVIEW
- EMI Testing
- Black Box Testing
- Audacity

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, including the micro, and coordinated with AP2 prototype lab for assembly.
- (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) 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.
- (School) Senior Design Project on the research and development of Asynchronous NCL Circuits.

Experience **Electronics Co-op, GE Appliances, Louisville, KY**

- Currently supporting Electronics Striker UI team in range at GEA. **Rotation 3, Summer 2022**
- Currently analyzing and investigating LED failure FRACAS item associated with Striker ALT.
- Conducted in depth sound analysis on our UI's new push-pull buzzer circuit design using Audacity.
- Operated EMI Conducted Immunity and Line Noise tests and analyzed the data for Striker.
- Supported Electronics team at FirstBuild by GEA. **Rotation 2, Fall 2021**
- 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.
- Conducted market research, customer discovery, and product validation for a smart mirror product.
- Supported the Sprout electronics team in refrigeration at GEA. **Rotation 1, Spring 2021**
- 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.
- Attended, documented and assisted in the implementation of IT environments for clients during many client meetings with Interlink executives.