

Christian Cipolletta

Venture Capital Intern

Monroe Township, New Jersey 08831

(732) 991 9976

cipoll17@students.rowan.edu

<https://www.linkedin.com/in/christian-cipolletta/>

Third year ECE/CS student at Rowan University that communicates well both orally and in writing, works well independently and in groups, pays attention to details, and is motivated by growth. As a student, worked on several projects including a light-following vehicle using C++, an FPGA music synthesizer using Verilog, a team report on the sustainability of grocery bag alternatives using Word and Powerpoint, and an activist connection application with GUI using Java.

EXPERIENCE

Johns Hopkins University Applied Physics Laboratory,
Electronic Systems Engineering Intern

Laurel, MD

June 2023–August 2023

- Wrote embedded C programs for a microcontroller to interface with its DMA, ADC, I2C, SPI, and UART channels.
- Created 8 Confluence Wiki pages to categorize over 80 MDM and D-Sub connectors, and to document the code created for the microcontroller.
- Designed and laid out a PCB used to connect a DAQ unit to 16 test points, a USB to UART module, and a debugger.
- Analyzed microcontroller outputs using standalone digital logic analyzer and one connected to an oscilloscope inside of an electrostatic discharge (ESD) controlled laboratory.

Oak Ridge Institute for Science and Education,
Visiting Scientist

Egg Harbor Township, NJ

June 2022–August 2022

- Worked in a group of 3 that tested the feasibility of new technology for detecting and identifying chemical and explosive threats concealed in bottles for security at airports.
- Designed and carried out 3 experiments that tested the capabilities of the technology.
- Wrote a Mathematica program to collect data from over 20 experimental tests.
- Used Microsoft Excel to do statistical analysis and to create over 10 graphs.
- Simulated the experiments with the use of COMSOL Multiphysics to validate results.
- Create a technical paper and a 30-minute PowerPoint presentation given to a large group of peers.

EDUCATION

Rowan University

Glassboro, NJ

- Bachelor of Science in Electrical & Computer Engineering, Minor in Computer Science, Concentration in Honors Studies
- Awards: 3.98 GPA, 3x President's Scholar of Excellence

September 2021-May 2025

SKILLS

- Technical Software: Microsoft Office Suite, Google Suite, Computer aided design (Onshape, Fusion), PCB and Schematic Design (Altium, Siemen Graphics), RF Simulation (COMSOL), Circuit Simulation (LTSpice, PSpice), Git
- Software Programming (Most – Least): C, C++, Java, Mathematica, Verilog, HTML, MATLAB, Python
- Test Instrumentation: Digital multimeter, mixed signal oscilloscope, configurable power supply, soldering through hole and surface mount devices, prototyping circuits using breadboards, ESD certified

ACTIVITIES

- Member of the Rowan Chapter of the Institute of Electrical and Electronics Engineers
- Volunteers at the Philabundance event, Fresh-for-All, every Friday morning
- Winner of 2023 ProfHacks Hackathon Count Hackula Track
- Treasurer & Goalie for the Rowan Club Men's Lacrosse Team