

Christian A. DiCecco

65 Balsam Dr, East Greenwich, RI 02818
cdicecco18@gmail.com

401-659-7619
[linkedin.com/in/cdicecco](https://www.linkedin.com/in/cdicecco)

Education

The University of Rhode Island
Bachelor of Science: Electrical Engineering

2014 – Present (Senior)
May 2018

Cumulative GPA: 3.96/4.00 Engineering GPA: 3.96/4.00 Dean's List

Skills and Training

Equipment:

- Experience with all standard bench equipment in addition to: Picoscope5000, NI 6008 DAQ/DAC, fiber optic splitters/splicers, optical power meters, MZ interferometers, optical spectrum analyzers, and VNA.
- Project experience with the Arduino, TI Launchpad (programmed in C), Xilinx Zynq Zedboard and Zynq Zybo-7000 FPGA development boards (VHDL), Altera Cyclone V development board (VHDL)

Software Experience

- Eclipse IDE (Java), NI Multisim, PSPICE/LTSPICE, Xilinx Vivado, Altera Quartus II
- MATLAB for mathematical functions, signal processing, and GPIB connection for data analysis, GPIB PID control
- PCB schematic design and layout of multi-layer boards using EAGLE

Missouri S&T [Electromagnetic Compatibility & Signal Integrity](#) video course (Non-certificate, Department funded)

Capstone Design Project

Infineon Technologies Americas Corp.

- Design improvements of bulk DC-DC converter IC test rack under current transients generated by custom load board

Professional Experience

Research Assistant, [URI Next Generation Sensing Technology Lab](#) January 2016 - Present

- Gained experience with control systems, fiber optic sensing, signal processing, and the entire PCB design, fabrication, and assembly process, giving weekly project presentations to supervisor
- Independent design and layout of a fiber optic communication system consisting of a combined laser driver and laser temperature control board (Analog PID), with laser output controlled by a TI launchpad via SPI bus communication, all implemented on a PCB
- Layout and implementation of fiber optic receiver/laser driver on PCB with direct FPGA interface

Computer Technician, *RAM Computers* September 2014 – January 2016

- Computer hardware and software repair in addition to technical sales and installation

Honors and Awards

- Centennial Scholarship Recipient, 2014 - 2017
- John B. Fraleigh Award in Math, 2015
- Tau Beta Pi Engineering Honor Society, 2016 – Present
- Sigma Phi Epsilon Sound Mind Award – Achieved the top GPA among 80 members, 2016