Dylan Rosser

35 Bennett Pl, Amityville, NY, 11701

dylanrosser4@hotmail.com
631-681-6096

GRADUATE COURSEWORK

Courses:

- Analog Integrated Circuit Design
- Advanced Digital Integrated Circuit Design (Currently Enrolled)
- Radio Frequency Integrated Circuit Design and Implementation (Currently Enrolled)
- Microelectromechanical Systems
- Introduction to Machine Learning for Engineers
- Principles and Engineering Applications of AI (Currently Enrolled)

Projects:

- 71-MHz Transimpedance Amplifier in 45nm CMOS
- Low Power Dual Stage Op-Amp using Miller Frequency Compensation
- 1.2-GHz StrongARM Latch in 45nm CMOS
- 100-MS/s 10-bit SAR ADC in 28nm CMOS
- 2.4-GHz Low Noise Amplifier in 65nm CMOS
- Capacitive MEMS Microphone with Polysilicon Membrane

EDUCATION

Carnegie Mellon University — Pittsburgh, PA
- Master of Science, Electrical and Computer Engineering — December 2020

University of New Haven GPA: 3.78/4.0 — West Haven, CT
- Bachelor of Science, Electrical Engineering, — May 2017
- Bachelor of Science, Music and Sound Recording
    - Dean's List, Presidential Scholarship, Tutoring Award

SKILLS

- Circuit Design
- 2D & 3D CAD
- Hardware Testing and Debugging
- Machine Learning
- Software: SPICE, Cadence, AutoCAD, Fusion360, MATLAB, Excel, EAGLE
- Programming Languages: Python, VBA, C, LISP, Verilog

WORK EXPERIENCE

Cosentini Associates / Tetra Tech Inc. — New York, NY
Electrical Engineer — 2017-2019

- Designed normal and critical electrical power, lighting control, and fire alarm systems for numerous large-scale real-estate ventures.
- Delivered short circuit, coordination, and arc flash hazard reports to an array of clients and implemented solutions to hazards discovered by the model.
- Created circuit diagrams and construction documents for over 1 million square feet of buildings.
- Wrote and implemented scripts to automate job functions and increase efficiency.

LINKS

- http://www.linkedin.com/in/dylanrosser
- http://www.github.com/dylanrosser
- http://www.dylanrosser.us