

Michael J. McCaffrey

902 Becker Dr.

Vineland, NJ 08361

609 501 9613

mccaffrem0@students.rowan.edu

Highlights

- Senior Electrical and Computer Engineering major -- 3.177 GPA
 - Self-motivated, self-sustained and self-managed experience as an independent contractor
 - Finely tuned communication skills with clients, management, and team members
 - Years of experience being accountable for quality of deliverables and accommodations made for clients
-

Education

Electrical and Computer Engineering

Rowan University -- Glassboro, NJ

B.S.E. Expected May 2017

Coursework Highlights

Engineering Clinic

- Ongoing research of wireless, dual-band energy transfer system for use in implanted medical devices

Digital Signal Processing

- Data acquisition and handling using MATLAB

Systems and Control

- Simulation and creation of various control systems

Embedded Systems

- Proficiency with C and microcontrollers

Electronics

- PCB design, analysis, and fabrication using SPICE and DipTrace
-

Professional Experience

Self-Employed

January 2009 - Present

Freelance Musician and Audio Recording Engineer

- Capturing and processing sound for various forms of media in New York City and the Delaware Valley
 - Organizing day to day studio operations, scheduling clients and guiding their performances
 - Performing as a guitar player and singer in casinos, clubs and resorts throughout the Mid-Atlantic region
 - Directing professional party and banquet band
 - Maintaining and repairing microphones, amplifiers, mixing consoles, and other equipment
-

Technical Skills

Software

C, C++, Verilog, MATLAB, Simulink, SPICE, Solidworks, DipTrace, NI MultiSim, ANSYS Maxwell

Hardware

Analog/digital circuit analysis and design, PCB design, Embedded systems design, 3D printing

Academic and Extracurricular Projects

- Analog force meter with DAQ integration capability
 - FPGA-based recreation of Simon electronic game
 - Dual digital outlet timer and clock using ATMega processor
 - Digital metronome system with RF synchronization using MSP430 processor
 - LaserHarp MIDI controller with bluetooth capability
-

Affiliations

Member, IEEE

References available upon request