

SAMUEL FEINE

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PROJECTS

- Designed USB DAC / Headphone amplifier
- Constructed multiple Radio Control and Robotic Projects Including Aerial Photography Hexacopter
- Designed and Assembled Power Distribution Equipment for Portable Audio Systems
- Designed and Assembled Electric Bicycle Trailer
- Built and Maintained Full Sound Reinforcement System

CLUBS AND SOCIETIES

- Audio Engineering Society of America 2010 - Present
- Chairman of RIT AES Student Section 2015 - Present
- RIT Student Music Association
Member Since Fall 2012, Head of Audio Production Fall 2013 - Present
- MDRC (Robotics Club)
2013 - Present, Treasurer 2014 - 2016
- K2GXT Amateur Radio Club
2014 - Present, Treasurer 2015 - Present
- Founding Member of The Construct @ RIT (Makerspace)

INTERESTS

- Audio Engineering and Equipment
- Electronics Development
- Radio Control Models
- Robotics
- Ham Radio (Extra Class License)
- Bicycling

EDUCATION

Rochester Institute of Technology, Rochester NY
Bachelor of Science in Electrical Engineering Technology with Audio Option, Completed May 2017
GPA: 3+

Courses:

- DSP / Linear Systems
- Digital Systems I and II (including HDL design)
- Communications Electronics
- Circuits I, II, Electronics (voltage dividers through diff. amplifiers)
- Programming C and Matlab
- Fundamentals of Audio and Modern Audio Production
- TA for Modern Audio Production
- Acoustics / 3D Audio (including MaxMSP)
- Solid Modeling and Design (Solidworks / Inventor)
- Manufacturing Processes I & II
- Engineering Economics

SKILLS

- C programming
- Proficient in Solidworks and Autodesk CAD suites
- Project planning and execution
- Audio systems design and implementation
- Well versed in audio equipment (both live and studio)
- Photoshop, Final Cut Pro, Logic, ProTools, MaxMSP
- Microcontrollers
- 3d printing, Laser cutting, Soldering (SMD), Welding
- Manual Mills and Lathes as well as some CNC experience
- Robotics design and assembly
- Electronics design including electronics design for audio
- Loudspeaker Design, Testing, and Tuning

EXPERIENCE

Engineering Intern, Fulcrum Acoustic

Whitinsville, Massachusetts — January 2016 - May 2016
fulcrum-acoustic.com

- Assembled prototype loudspeakers.
- Measured loudspeaker impulse responses and verified DSP filters.
- Modified and tested horn designs selecting for desirable characteristics.
- Tested new drivers and helped select drivers for projects.
- Modified customer facing cad drawings to reflect changed features.
- Created Revit BIM family for Fulcrum products.
- Developed new speakers for use in marketing.
- Built fixtures for testing and production.
- Redesigned crossover PCBs
- Responsible for many other engineering and production tasks.
- Traveled with Fulcrum to Infocomm and gained industry experience.

Engineer, Southern Sound Systems

Houston, Texas — Summers and School Breaks between April 2012 and August 2015
southernsoundsys.com

- Wore many hats but my role could best be described as a systems tech.