

SPENSER CHEUNG

(908) 229-7439 • spenser.cheung1@gmail.com

[linkedin.com/in/spenser-cheung](https://www.linkedin.com/in/spenser-cheung)

EDUCATION

Northeastern University, Boston, MA

May 2020

Bachelor of Science in Electrical and Computer Engineering

- Coursework: Computer Architecture and Organization, Linear Systems, Wireless Communication Circuits, Engineering Algorithms, Differential Equations, Networks, Noise and Stochastic Processes, Fundamentals of Electro Magnetics, Assistive Robotics, Introduction to Machine Learning and Pattern Recognition
- Honors: National Honors Society, Japanese National Honors Society, Honor Roll, Dean's Honor List

TECHNICAL SKILLS

- **Operating Systems/Software:** Linux, Windows, Xilinx Vivado, PSpice, Microsoft Office
- **Hardware Skills:** Soldering
- **Programming Languages:** C++, Verilog, Assembly, Python, HTML, MATLAB
- **Test Instruments:** Oscilloscope, Function Generator, Digital Multimeter, Power Supply
- **Devices:** ZedBoard, Arduino, Protoboard

PROJECTS

MFJ 9340k Radio

September - December 2017

- Adjusted the power output to keep unwanted spurs from appearing in the transmitted signal
- Utilized an Oscilloscope to ensure the VFO, and received beat frequency output the correct waveform
- Soldered and de-soldered surface mount components to/from the provided PCB

Single Cycle Processor

September - December 2017

- Wrote Verilog code to implement the design, and test functionality
- Used the MIPS ISA, then used a C-compiler to help initialize an Instruction Memory block
- Tested our design using the FPGA of a ZedBoard, and a Virtual Input-Output on Xilinx Vivado

Biomedical Signal Amplifier

September - December 2016

- Engineered a Protoboard circuit that analyzed ECG/EKG signals
- Assembled high-pass and low-pass filters to eliminate signal noise
- Utilized A/D conversion to transfer the signals for analysis and display

CO-OP EXPERIENCE

Bain & Company, Boston, MA

January – June 2018

Help Desk Support Intern

- Supplied support for Help Desk Calls
- Built and refreshed standard software image on laptops and desktops using SCCM 2012
- Transferred end-user data from non-functional systems to freshly imaged systems
- Troubleshoot network applications, systems, and components; set up and relocated systems, monitor and other hardware
- Aided in the set-up of equipment for a newly renovated floor

LEADERSHIP EXPERIENCE

Northeastern Chinese Student Association

Boston, MA

Vice President

January 2017 to April 2018

- Responsible for working with the President to plan weekly executive board meetings, and club events
- Act as a liaison between Northeastern Chinese Student Association and other Chinese organizations in the Greater Boston Area
- Manage internal relations within the Executive Board

INTERESTS

- Playing intermural volleyball (indoor and sand)
- Buy and sell clothing and sneakers