

Andrew J. Whitaker

495 Williamstown Road Lanesboro, MA 01237 (Home)
480 Rear Parker St # 4849 Boston, MA 02115 (School)
Whitaker.an@husky.neu.edu • (413) 281-2887
Linkedin.com/in/andrewjwhitaker

EDUCATION

Northeastern University Honors Program, Boston MA

May 2020

Candidate for Bachelor of Science in Electrical and Computer Engineering

Sustainable Energy Systems Minor

3.89/4.0 GPA

Notable Projects: Hand-built and Hand-wired Electric Guitar, Video Game Controller made with Arduino

Relevant Coursework: Circuits and Signals, Fundamentals of Networks, Discrete Structures, Engineering Design and Problem Solving (C++, Arduino, CAD, SolidWorks, MATLAB), Calculus II, III, Diff. Eq. and Linear Algebra

SKILLS

Software and Operating Systems: AutoCAD • SolidWorks • KiCAD, PSpice, Altium Designer • Microsoft Office • C++ • MATLAB • Python • Java • Arduino • Windows • Debian / Ubuntu • Android

Physical: Computer Hardware and Software Upgrades, Custom Builds, Troubleshooting • Electric Guitar Repair / Custom Wiring • Oscilloscope, Multimeter, Waveform Generator • Audiovisual Equipment

WORK EXPERIENCE

Desktop Metal, Burlington MA

Jan 2017 –

Electrical Engineering Co-Op

Present

- Work with engineers from many backgrounds in a multidisciplinary environment on product design projects
- Interact with software including Altium Designer and LabView for laboratory testing and circuit design

Northeastern University College of Engineering, Boston MA

Sept 2015 –

Undergraduate Teaching Assistant and Office Assistant

Present

- Prepare twice-weekly classes and assist a class of 20 students with in-class engineering exercises
- Create promotional materials for College of Engineering welcome days and department activities

Berkshire Health Systems Information Technology, Pittsfield MA

Jul 2016 –

Intern II, Desktop Technicians

Sept 2016

- Communicated with vendors and staff to implement a new (approx. 100 machine) Thin Client network

LEADERSHIP, AWARDS, AND ACTIVITIES

Northeastern University

Sept 2015 –

- Member of the Northeastern Wireless Club and Northeastern IEEE student chapter *Present*
- Recipient of the 2016-2017 IEEE Power and Energy Society PES Scholarship
- Created models using the ATP transient simulator for the CURENT power research project (Spring 2016)

Eagle Scout, Boy Scouts of America (BSA Member since Sept 2003)

Nov 2014

- Led fellow scouts as Senior Patrol Leader, Patrol Leader, and Junior Assistant Scoutmaster
- Organized and led the construction and distribution of 25 bluebird houses to protect the local species

INTERESTS

Renewable Energy / Conservation • Community Service / Philanthropy • Transportation • Music • Auto Mechanics • Computers • Analog Circuitry • Radio