

Brock Fenbert

fenbert.b@husky.neu.edu | (206)-650-0247
780 Columbus Avenue #535 – Boston, MA 02120

EDUCATION

Northeastern University, Boston, MA May 2022
Candidate for Bachelor of Science in Computer Engineering and Computer Science GPA: 4.0
Courses: Discrete Structures, Fundamentals of Computer Science 2, Embedded Design: Enabling
Robotics, Circuits and Signals, Fundamentals of Networks, Physics 2, Calculus 3
Awards: Honors, Dean's Scholarship, Dean's List
Garfield High School, Seattle, WA June 2017
Awards: Valedictorian, Elks Scholarship GPA (unweighted): 4.0

SKILLS

Software: AutoCAD, SolidWorks, Simulink, MATLAB, Unity(basic)
Programming: C++, Java (basic), Python (basic), C#(basic)
Languages: Spanish (conversant)

PROJECTS

Robotic Arm (Embedded Design: Enabling Robotics) Spring 2018

- Programmed ZedBoard FPGA using Simulink to control servo motors
- Designed a C++ program to respond to Bluetooth inputs from a Wiimote

Piezoelectric Keyboard (Cornerstone of Engineering) Fall 2017

- Modified keyboard to trigger piezoelectric sensors
- Built diode rectifier and coded an Arduino Redboard to measure voltage
- Presented at the ASEE-NE 2018 conference and published in the proceedings

WORK EXPERIENCE

Northeastern University, Boston, MA September 2018 – Present
Fundamentals of Computer Science Tutor

- Hold weekly office hours and advise students during lab sessions
- Grade homework assignments and tests

VOLUNTEER EXPERIENCE

WWOOF Italia, Italy May 2018 – June 2018
Volunteer Farmer

- Planted and harvested crops; collaborated with other workers who only spoke Italian

Seattle Aquarium, Seattle, WA September 2014 – June 2017
Youth Ocean Advocate

- Educated visitors on marine wildlife and conservation during over 450 hours of volunteering
- Participated in interviews for new volunteer candidates

Post 84, Seattle, WA November 2014 – June 2017
President, Treasurer, Staff Member

- Managed an annual \$100,000 budget and conducted monthly board meetings, a non-profit student run outdoor education organization

INTERESTS

Scuba diving, travel, marine biology, gaming, hiking, camping