

# Brock Fenbert

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## EDUCATION

**Northeastern University**, Boston, MA May 2022  
Candidate for Bachelor of Science in Computer Engineering and Computer Science GPA: 4.0  
Courses: Digital Design, Logic and Computation, Object Oriented Design, 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

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## SKILLS

**Software**: Apache Solr, Wicket, MySQL, OpenSSL, SolidWorks, Simulink, MATLAB, Unity(basic)  
**Programming**: Java, Puppet, Python, C++ (intermediate), Jenkins (basic), C#(basic)

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## PROJECTS

**Planet Polluter** (NASA SpaceApps Hackathon Boston) Fall 2019

- Learned C# and Unity to create a clone of Plague Inc. embedded with NASA data
- Placed first in the Boston competition with a team of five

**Piezoelectric Keyboard** (Cornerstone of Engineering) Fall 2017

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

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## WORK EXPERIENCE

**Wayfair**, Boston, MA January 2019 – June 2019  
Site Reliability Engineer

- Developed a Java-based web app for maintaining and expanding Solr clusters
- Automated DNS entries and creation shared IP addresses
- Trained new team members in the development process for continued improvements

**Northeastern University**, Boston, MA Fall 2018, Fall 2019  
Fundamentals of Computer Science Tutor

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

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## 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 for a non-profit student run outdoor education organization