

Brock Fenbert

brockfenbert.com
brock.fenbert@gmail.com
github.com/brockfenbert
(206)-650-0247

EDUCATION

Northeastern University

Boston, MA

Candidate for Bachelor of Science in Computer Engineering and Computer Science, 4.0

December 2021

- Courses: Object Oriented Design, Game Programming, Algorithms and Design, Digital Design, Fundamentals of Networks, Logic and Computation, Machine Learning, Computer Systems
- Awards: Honors, Dean's Scholarship, Dean's List

EXPERIENCE

Mercari US

January - June 2021

Marketing Technology Co-op

- Redeveloped and optimized an ETL job that interacted with a third party analytics service
- Created metrics and alerting for existing Java and Python microservices

Poloniex

January - June 2020

Risk Engineering Co-op

- Transitioned 2-Factor Authentication from PHP into a Java microservice
- Worked with a global team to launch the Futures trading platform
- Created framework for an automated risk service to be used by risk agents

Wayfair

January - June 2019

Site Reliability Engineering Co-op

- Developed a Java-based web app that maintained and expanded Apache Solr clusters
- Automated DNS entries, creation of shared IP addresses, and resource scaling

Northeastern University

Fall semesters 2018 - 2021

Fundamentals of Computer Science Tutor

- Held weekly office hours, advised students during lab sessions, graded homework and tests

PROJECTS

More projects available on my website

SmartyPill

Summer 2021 - Present

Engineering Capstone

- Prototyping an automatic pill dispenser that eliminates errors while taking prescriptions
- Working with an adjacent Mechanical Engineering team on hardware software interactions
- Scoped product requirements and timeline for creation of a GUI application to run on Raspberry Pi

Mellifera

Summer 2020

Game Programming

- Created a 3D FPB (first-person bee) game using Unity and C# over the course of 6 weeks
- Fly around 3 distinct environments while collecting pollen, avoiding enemies, and defending the hive

SKILLS

- **Software:** Unity, MySQL, Vue, MATLAB
- **Languages:** Java, Python, C#, JavaScript, HTML, PHP, C