

Brock Fenbert

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EDUCATION

Northeastern University

Boston, MA

Bachelor's of Science in Computer Engineering and Computer Science, 4.0 GPA

December 2021

- Relevant Courses: Machine Learning, Game Programming, Computer Systems
- Awards: Honors, Dean's Scholarship, Dean's List, Robert J. Shillman Excellence in Engineering Award

EXPERIENCE

Ocient

February 2022 - Present

Software Engineer I

- Tracked down and fixed memory leaks in a high performance C++ database
- Completed PR reviews to ensure code quality and standards

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

PROJECTS

More projects available on my website

SmartyPill

Summer 2021 - Fall 2021

Engineering Capstone

- Prototyped an automatic pill dispenser that eliminates errors while taking prescriptions
- Scoped product requirements and timeline for creation of a GUI application to run on Raspberry Pi
- Second place in the Engineering Capstone Competition for Fall 2021

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, Git, JetBrains
- **Languages:** Java, Python, C#, JavaScript/TypeScript, HTML, PHP, C