

# Oliver Yasuna

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## Summary

Java Enterprise developer with backend and frontend experience using Spring, Hibernate, Vaadin, and associated frameworks. Highly focused on relational database mapping for flexible structures.

## Education

**Worcester Polytechnic Institute**, Worcester MA

05/2021 – Expected 03/2023

*B.S., Computer Science*

**Massachusetts Bay Community College**, Wellesley MA

05/2019 – 05/2021

*A.S., Computer Science*

- **GPA:** 3.96
- **Honors:** Dean's List (All Semesters), Honor Society (Phi Theta Kappa)
- **Activities:** Peer Tutor & Embedded Tutor (Spring 2020), Programming I Teacher's Aide (Fall 2019), STEM Mentor Program (Spring 2020)
- **Relevant Coursework:** Data Structures, Database Management Systems, Web Site Development (Independent Study on RESTful APIs), Programming II (Independent Study), Linux System Management, Systems Programming with C

## Technical Skills<sup>1</sup>

**Languages:** Java, JavaScript, SQL, Regular Expression, C++<sup>2</sup>

**Concepts:** Data Structures, RESTful APIs, Relational Databases, JWT, Object-Oriented Programming

**Tools:** Maven, Git, IntelliJ IDEs, Excel

**Frameworks/Libraries:** Hibernate, JPA, Spring, Vaadin, JavaFX, Lit, Polymer

## Experience

**Perthera, Inc.**, Holliston MA

05/2020 – Present

*Software Engineer*

- Lead the backend integration with a new business partner.
- Programmed interoperability between datasets of different forms. I.e., MySQL, HubSpot, Spreadsheets, and CSV.
- Most notable is a data matching algorithm written to match contacts in a MySQL database and HubSpot.
- Rewrote multiple applications' frontends with Vaadin and some backend.
- Updated several projects with Ant/Ivy build systems to Maven.
- Progressed from intern to staff employee. Accomplished this during my sophomore year in college.

**Massachusetts Bay Community College**, Wellesley MA

01/2020 – 05/2020

*Peer Tutor & Embedded Tutor*

- Tutored students enrolled in Programming I and Basic Math through Calculus I.
- Acted as a resource and guide to students struggling academically.
- In-class tutor for Programming I labs.

**ALARM Robotics**, Franklin MA

12/2019 – Present

*Software Development Mentor*

ALARM Robotics is a registered team in the FIRST Robotics Competition. Teams of high school students and adult mentors have six weeks to build a competitive robot.

- Mentored high school students interested in programming.
- Introduced programming concepts to mentees, such as Object-Oriented Programming, Data Structures, API usage, and basic embedded software design, with Java.

**Massachusetts Bay Community College**, Wellesley MA  
*Teacher's Aide – Programming I*

09/2019 – 12/2019

- Assisted in introducing Object-Oriented Programming to students with applications in Java.
- Assisted students with lab projects.
- Checked students' lab projects.
- Was taking the course at the same time and employed on day three.

**BNY Mellon**, Westborough MA  
*Shareholder Specialist II*

11/2017 – 08/2019

- Progressed from Shareholder Specialist to Shareholder Specialist II. The majority of my time here was as the latter.
- Individually wrote and designed training documents for the Data Cleaning team.
- Tasked with training and monitoring new members of the growing Data Cleaning team.
- Updated 5+ client customer support documentation on demand.
- Handled systems access for new employees in the Brokerage/Retirement Accounts Customer Service department.

## Personal Projects

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### Javabrew

03/2021 – Present

The App Store is to Apple and Google Play is to Android. Behind the scenes, these software (package) managers execute textual commands to download, update, and manage installed packages. Homebrew is a package manager designed for advanced users of macOS, as it is used on the command-line only. Just as the App Store provides a frontend for managing packages on Apple devices, Javabrew aims to provide a frontend user-facing interface for Homebrew. Javabrew is written in Java. Development is in process and the source is not public at this time.

### Quacken

01/2021 – Present

Personal Project for financial management. Aggregates financial information from multiple sources, including bank, brokerage, 401(k), IRA, 529 Plan, and insurance accounts, credit cards, and loans. Provides utilities to analyze transactions and trades.

This application utilizes the following concepts, tools, and frameworks:

- Spring: As the Java EE application framework in general, and for RESTful APIs and Servlets.
- Hibernate & JPA: For modeling and mapping relational data between a database.
- Vaadin 14: For the front-end user-facing interface.
- Tomcat: As the container for applicable Servlets.
- Selenium: For browser automation to acquire account information belonging to services without public APIs.
- JSoup: For use with Selenium to parse DOM where applicable. Selenium validates handles before performing operations, which is unnecessary in some cases and can be significantly slower compared to static parsing with JSoup.
- Object-Oriented Programming & Data Structures: As is with the Java programming language.

Quacken development is current paused, due to the development of Javabrew.

### Gimme DOM

07/2020 – 08/2020

A Vaadin 8 extension, written in Java, enabling developers to have more control over the web DOM. It provides functionality to register listeners for most DOM events and assign DOM elements' properties and style from the server-side. In summary, this project provides an API for Vaadin developers to directly access the generated DOM content in real-time.

## Links

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**Website**: <https://oliveryasuna.github.io>

**LinkedIn**: <https://linkedin.com/in/oliveryasuna>

**GitHub**: <https://github.com/oliveryasuna>

**GitHub (very old)**: <https://github.com/maniadevelopment>

<sup>1</sup>Please see the endorsements on my LinkedIn profile.

<sup>2</sup>While I am well-versed in the syntax, I am not in STL or Boost.