

OLIVER YASUNA

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SUMMARY

Results-oriented Java and C++ programmer with a GitHub full of comparable projects. Utilizing modern libraries such as the Java Streams API and C++ STL develops strong coding habits. Currently a full-time Computer Science undergraduate, with the goal of becoming a software developer.

EDUCATION

Massachusetts Bay Community College, Wellesley MA

Associate Degree, Computer Science, Expected 05/2021

- **GPA:** 3.935
- **Honors:** Dean's List (Spring 2020), Dean's List (Fall 2019), Phi Theta Kappa (Honor Society)
- **Activities:** Peer Tutor & Embedded Tutor (Spring 2020), Programming I Teacher's Aide (Fall 2019), STEM Mentor Program
- **Relevant Coursework:** Programming II (directed study), Programming I, Computer Architecture & Assembly Language, Honors English II

TECHNICAL SKILLS

Languages: Java, C++, SQL, JSON, Regular Expression

Concepts: Object-Oriented Programming, Data Structures, REST APIs

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

Frameworks: Vaadin

PERSONAL PROJECTS

Gimme DOM

07/2020 – Present

This is a Vaadin 8 extension enabling developers to have more control over the web DOM. The current work-in-progress is an event handler for all DOM events. I then plan on implementing reading and writing DOM objects from the server-side.

LC-3 Simulator

04/2020 – Present

Little Computer 3 virtual machine written in Java. The LC-3 is a set of low-level instructions relevant for education use. This project requires knowledge of Binary, Assembly, and C. This is a work-in-progress (on hold). Expected features:

- Binary executor.
- Assembly interpreter and executor.
- Data path visualizer.
- Pseudocode interpreter, executor, and to-assembly converter.
- Interoperability with assembler and C compiler.

Java String

11/2019

Library containing a clutter of string manipulation and parsing functionality.

- Case modifier: e.g., snake_case to camelCase.
- String tokenizer: uses Regular Expression. Basic use of Object-Oriented Programming and Data Structures.
- Miscellaneous string utilities: e.g., anagram and palindrome formulas, and Regular Expression indexOf implementation.

Volume Command

11/2019

Command-line utility written in C++ for high-level audio device configuration. This uses the Win32 API IAudioEndpointVolume interface.

TECHNICAL EXPERIENCE

Perthera, Inc., Holliston MA

05/2020 – Present

Software Developer Intern

- Software development with Java—backend REST APIs and frontend UI.
- Individually rewrote an entire application's backend and frontend with Vaadin 8.
- Individually updated older projects with Ant/Ivy build systems to Maven.
- Programmed interoperability between databases of different forms. E.g., importing data from one model to another, with a mix of Java and SQL. Used JSON for input parameters and output.
- Used SQL and MySQL with triggers and views.

Massachusetts Bay Community College, Wellesley MA

01/2020 – 05/2020

Peer Tutor & Embedded Tutor

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

ALARM Robotics, Franklin MA

12/2019 – Present

Software & Electrical 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 young minds interested in programming.
- Introduced programming concepts to mentees, such as Object-Oriented Programming, Data Structures, API usage, and basic embedded software.

Massachusetts Bay Community College, Wellesley MA

09/2019 – 12/2019

Teacher's Aide – Programming I

- Assisted in introducing Object-Oriented Programming and Data Structures to students with applications in Java.
- Assisted students with lab projects.
- Checked students' lab projects.

BNY Mellon, Westborough MA

04/2018 – 08/2019

Shareholder Specialist II

In addition to responsibilities as a Shareholder Specialist:

- Individually wrote and designed training documents for the Data Cleaning team.
- Updated 5+ client customer support documentation.
- Tracked and reported Data Cleaning performance numbers.
- Communicated directly with clients.
- Handled systems access for new employees.

BNY Mellon, Westborough MA

11/2017 – 04/2018

Shareholder Specialist

- Responsible for handling high-volume financial orders for multiple clients.
- Processed, researched, and quality checked trade requests.
- Contacted mutual clients as need be.
- Data cleaned for wholesaler contacts. Assisted the lead in training, monitoring, and activity reporting on new employees.
- Proficient use of Excel and CRM software.

LINKS

Website: oliveryasuna.github.io

LinkedIn: linkedin.com/in/oliveryasuna

GitHub: github.com/oliveryasuna

GitHub (Mania Development): github.com/maniadevelopment – Projects from my childhood.