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[1]), 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, 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.

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, which I wanted to learn more about.

TECHNICAL EXPERIENCE

Perthera, Inc., Holliston MA   05/2020 – 08/2020
Software Developer Intern
- Software development with Java—backend REST APIs and frontend UI.
- Individually rewrote an entire application's frontend with Vaadin 8 and some backend.
- Individually updated 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.
  - For example, I wrote an API to match data between a SQL database and HubSpot with a confidence algorithm, import some into HubSpot, or update the database.
- Used SQL and MySQL with triggers and views.

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.

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.
- Was taking the course at the same time and employed on day three.

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.
- Tasked with training and monitoring new members of the growing Data Cleaning team.
- Updated 5+ client customer support documentations on demand.
- Tracked and reported Data Cleaning performance numbers.
- Communicated directly with clients.
- Handled systems access for new employees in the Brokerage Account Customer Service department.

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 <u>Excel</u> 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.

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[1] Completed the course with a specialized agreement with the Professor and Dean. The course was accelerated and required no class attendance.