

# SERENA BURTON

@ serenaburton@yahoo.com   in linkedin.com/in/serena-burton   ☎ 845-598-3840

## EDUCATION / COURSES

Queens College, B.S. Computer Science, May 2021

Marketing Chair of Q.C. Women in Tech Club 2017-2020

Nanzan University, Japan, Summer 2018 | Focus Area – Japanese and Japanese Literature

## SKILLS/TECHNOLOGIES

JavaScript, C++, Python, Java, SQL, PHP, C, HTML, CSS, React

MongoDB, Git, JUnit, Google Cloud Platform, Node.js, Ajax, jQuery, JSON

## EXPERIENCE

Software Engineer

JP Morgan Chase

📅 July 2021 – Mar 2023

📍 New York Metro Area

- Created and improved upon a trading simulation using Spring Boot Framework. Predicted trends of the stock market by using past trends. The application was able to make consistent profits.
- Using Selenium and Java, performed quality assurance testing on JPMM internal applications ensuring all internal applications executed properly with full functionality.
- Created documentation to onboard new users onto the JPMM platform. Decreased the amount of new users requesting extra help with their onboarding process.
- Improved JPMM Onboarding website by implementing an intuitive, user-friendly interface based on the new users' feedback using Java, CSS, HTML, and Markdown. Users could easily navigate the site without confusion.
- Added support for asynchronous searching to a Splunk Java SDK using Java and Splunk APIs. Users could conveniently research data and visualize data in charts and tables.
- Added alert function to Splunk SDK. Users could now monitor a specific query without having to manually check everyday saving time.

Software Engineer Intern

JP Morgan Chase

📅 Jun 2020 – Aug 2020

📍 New York Metro Area

- Created mobile application through Flutter SDK to incentivize at home physical education for middle/high school students during this quarantined period
- Implemented a game page to quiz students on their knowledge of exercises and the human body.
- Delegated tasks through Confluence
- Performed detailed code reviews before pushing code to Bitbucket repository

Back-End Developer Intern

Etomon

📅 Jan 2019 – April 2019

📍 New York, New York

- Provided technical expertise to a startup whose mission is to provide a global education platform for people to increase knowledge and skills with no time and location limits.
- Built and maintained user information onto Etomon database
- Implemented a sign-in function on sales page, increased purchases of courses
- Performed cyber attacks on the Etomon site to test the sites security. Insecurities were fixed accordingly

Google CodeU Student

Google

📅 May 2018 – Aug 2018

📍 Mountain View, California

- An invite only program in which I participated in good industry practices by contributing to open source software such as Git and GitHub, performing code reviews, and understanding an existing codebase
- Led the incorporation of a profile section to the application and worked with a team of three and a Google Mentor to build new features that improved functionality and usability.

- Improved, innovated, and built on an existing database for a chat web application using GitHub, Java Servlets and JSP files
- Designed unit tests using JUnit and Mockito and led code reviews to ensure maintainability and scalability.
- Designed and built a new directory in the application that allows users to create profile pages with an "about me" section. Using Servlets and JSP files I configured the app for the user to edit only their own profile page while others can only see it.
- Persisted new changes to the "about me" page and updated it accordingly.

## ACHIEVEMENTS/AWARDS

SBUHacks 1st Place Best Automation Hack, Sep. 2019

- Won first place at Stony Brook University Hackathon by creating an automated program to suggest users healthiest ingredients to create their desired food. UiPath, JavaScript, HTML, CSS.

JP Morgan Chase Sophomore Edge, Apr. 2019

- An award given to students who have demonstrated advanced skills and play an active role in the computer science community. Students were invited to attend a 3-day conference in Chicago for networking and learning opportunity.

Asian and Pacific Islander Scholar, Dec. 2019

- For Asian students that have placed strong emphasis on community service and leadership as well as solid academic achievement.

Gilman Scholar, Apr. 2018

- A scholarship awarded to high achieving students seeking to gain proficiency in diverse languages, cultures, and skills that are critically important to their academic and career development.

Freeman Asia Scholar, Apr. 2018

- A grant awarded to students who have demonstrated interest and self-initiated study in Asian culture.

Global Chancellor Scholar, Apr. 2018

- A scholarship granted to students pursuing education abroad to further their academic development.