

SERENA BURTON

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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 – Present

📍 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.

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.

Jeannette K. Watson Fellow, Mar. 2019

- A highly selective three-year fellowship that develops the potential of promising students to become effective and humane leaders. Selection criteria include high standards, leadership, ambition, ability to work in teams, interest in exploring diverse cultures, and integrity