

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

AWS (CloudWatch, S3, Lambda), Google Cloud Platform, Java, Python, Spring Boot, SQL, Jest, Selenium, JUnit, JavaScript, React, HTML, CSS

EXPERIENCE

Software Engineer

Wells Fargo

📅 Nov 2023 – Present

📍 New York Metro Area

- Designed UI for tracking applications on servers in need of remediation. (Javascript, Typescript, HTML, CSS)
- Increased test coverage to 60 percent, meeting the company's testing requirements for production releases. (Jest)
- Implemented solutions for detection of divest applications across Wells Fargo, alerting the company of apps that need remediation. (Python, SQL)
- Implemented real-time monitoring and alerting using AWS CloudWatch and Grafana, allowing for automated scaling and rapid incident response, reducing system downtime by 15 percent.
- Worked closely with stakeholders to design and visualize key data related to divest applications, improving decision-making and enhancing stakeholder satisfaction through clear, actionable insights. (Python, SQL)
- Automated the cancellation and creation of Jira tickets by integrating the Jira API with a Python-based script. Used SQL to query relevant data and implemented AWS Lambda for serverless execution, enabling the process to run automatically without manual intervention, improving team efficiency. (Python, SQL, AWS Lambda)

Software Engineer

JP Morgan Chase

📅 July 2021 – Mar 2023

📍 New York Metro Area

- Developed a trading simulation using Spring Boot, implementing RESTful web services and integrating third-party APIs to predict trends based on historical stock market data.
- 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.
- Redesigned financial applications by breaking down a large system into smaller, independent microservices, which made updates faster and improved the system's scalability.
- 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.
- Implemented real-time alerting for compliance breaches using Grafana and Prometheus, ensuring quick detection and response to any security risks.

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.
- Added a mood tracker for students to input how they are feeling that day. Allowed for teachers to observe their students' well-being.

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 creation of a chat-application and worked with a team of three and a Google Mentor to build new features that improved functionality and usability.

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.