

# Michelle Tham

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## EXPERIENCE

### Capital One

McLean, VA

Associate Software Engineer, Enterprise Consumer Platforms

August 2022 – Present

- Developed and maintained 10+ high availability applications serving 150,000,000+ consumer messages daily.
- Optimized existing stream processing applications end-to-end to eliminate redundancy and improve costs.
- Streamlined Google Firebase Cloud Messaging's push notification tokens management, resulting in a significant reduction in number of messages sent to inactive devices and an increase in delivered messages.
- Maintained 15+ containerized APIs in AWS which are consumed by public and internal consumers.
- Experienced Site Reliability Engineer, owning applications from development to release and production support.

Software Engineer Intern, Retail & Direct Technology

June 2021 – August 2021

- Advanced transaction service by pulling account information changes from a Kafka stream and updating the latest data in MySQL database.
- Assessed and appended additional unit and integration testing to pass 80% code coverage as part of CI/CD pipeline requirements.
- Released feature into production, which consumed ~80,000 events and updated ~140 events on a weekly basis.

### American Express

Remote – New York, NY

Software Engineer Intern, Digital Workplace

July 2020 – August 2020

- Assembled a Slack integration to retrieve application details from American Express' internal application hub.
- Released integration to production for Slack users companywide to ease the process of gathering data, increase productivity, and shorten time navigating in and out of Slack.

### Bank of America

New York, NY

Technology Analyst Intern, Global Information Security

June 2019 – August 2019

- Designed and managed a CLUE-inspired web application to enhance the engagement of the cyber security onboarding experience for employees.
- Served as a Product Owner through the Agile framework by creating scrum artifacts and organizing backlogs and user stories in JIRA.

## PROJECTS

### Twitter Sentiment Analysis on Covid-19 and Masks

August 2021 – April 2022

- Explored the conversation made by the public between Covid-19 and masks on Twitter during the first year of the pandemic by using a topic mining model.

### Sprout

August 2021 – December 2021

- Architected and developed a trivia-based web application where users can test their knowledge, challenge their friends, create their own platform and quizzes, and unlock achievements based on their scores.
- Used React JS, Node JS, Express JS, MySQL, Material-UI, Sequelize, and Heroku

## EDUCATION

Stony Brook University; GPA 3.61/4.00

Stony Brook, NY

Bachelor of Science in Computer Science, Women in Science & Engineering Honors

Graduated May 2022

## ADDITIONAL INFORMATION

**Programming Languages:** Java, C, HTML/CSS, Python

**Frameworks/Tools:** Spring Boot, Cucumber, Jenkins, Apache Kafka, AWS, Jira, Postman, GitHub, Git, Agile & Scrum

**Certifications:** AWS Certified Solutions Architect – Associate (January 2023)

**Awards:** Grace Hopper Celebration Scholar (2020)

**Organizations:** Girls Who Code, Women Rewriting the Code, Women in Science & Engineering