

Michelle Tham

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EDUCATION

Stony Brook University; GPA 3.54/4.00

Bachelor of Science in Computer Science

Women in Science & Engineering Honors Program

Stony Brook, NY

Expected Graduation: May 2022

PROFESSIONAL EXPERIENCES

Capital One

Retail & Direct Technology, Software Engineer Intern

Remote – McLean, VA

June 2021 – Present

- Advanced a transaction service by pulling updates from a Kafka stream and reflected those changes in MySQL database using Spring Boot and Cucumber-JVM.
- Released feature into production, which consumed ~80,000 events and updated ~140 events on a weekly basis.

American Express

Digital Workplace, Software Engineer Intern

Remote – New York, NY

July 2020 – August 2020

- Assembled a Slack integration to retrieve details from American Express' internal application using Spring Boot, RESTful API calls, Git and Postman.
- 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

Global Information Security, Technology Analyst Intern

New York, NY

June 2019 – August 2019

- Designed and managed a CLUE-inspired intern project web application to enhance the cyber security onboarding experience for employees.
- Served as a Business Analyst and Junior Developer through the Agile framework by creating scrum artifacts and organizing backlogs and user stories in JIRA.
- Illustrated and predicted how data is managed within the enterprise by presenting an Infrastructure Instrumentation & Controls Capabilities Lifecycle.

Girls Who Code

Summer Immersion Program Student, Pfizer Inc.

New York, NY

July 2017 – August 2017

- Explored fundamental Computer Science skills (Scratch, Python with Turtle, Robotics in Arduino C, basic algorithms, and web development).

PROJECTS

Dynamic Memory Allocator

March 2021

- Implemented from scratch a dynamic memory allocator to efficiently utilize memory with malloc, realloc, free, and memalign functions.
- Used design strategies such as first-fit policy, immediate coalescing, block splitting in C.

COVID-19 Testing Portal

December 2020

- Web application with two end users to report, update, and view COVID-19 test results.
- Used web development tools such as HTML/CSS, Express JS, MySQL, Visual Studio Code.

LEADERSHIP

Theta Tau, ZE Chapter Secretary (2021 – Present)

Rewriting the Code, Campus Ambassador (2021)

Women in Science & Engineering, Mentor (2020 – Present)

SBU Undergraduate College, Fellow & TA (2019)

Society of Asian Scientists & Engineers, PR & Historian (2019)

United East Athletics Association, Instructor (2016-19)

ADDITIONAL INFORMATION

Programming Languages: Java, C, HTML/CSS, MIPS Assembly, Python

Frameworks/Tools: Spring Boot, Cucumber, Slack API Library, Apache Kafka, Postman, Git

Awards: Grace Hopper Scholar (June 2020), Bank of America GIS Intern Finalist (August 2019)