XOCHITL D. SAY

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EDUCATION

Barnard College, New York, NY   Expected Graduation May 2020

Candidate for Bachelor of Arts in Computer Science

- **GPA:** 3.7
- **Relevant Courses:** Data Structures, Introduction to Databases, Advanced Programming (C/C++), Modern iOS Application Development, Artificial Intelligence

EXPERIENCE

Expedia Group, Seattle, WA   May 2018 - Aug 2018
Software Development Intern

- Developed and deployed a microservices architecture for the Enterprise Risk and Security Capability Team to isolate API crashes, scale services independently, and ensure high availability, which was not possible under existing architecture.
- Conducted comparative analysis of AWS Lambda and Elastic Container Service to choose optimal infrastructure for new architecture. Led 2 team reviews to compare cost, compatibility with existing tools, and migration steps.
- Learned to use Splunk to query API request logs and identify highest traffic services.
- Refactored monolithic Java Spring code base into microservices deployed on Docker and AWS ECS with an Application Load Balancer to orchestrate each containerized service. Created Dockerfiles for each new service and uploaded Docker images to Elastic Container Repository for deployment.
- Modified existing Gradle Groovy scripts to compile library dependencies and package refactored code base into JAR and WAR files.

Planet Bravo, Los Angeles, CA   June 2017 – Aug 2017
Technology Instructor   June 2018 - Aug 2018

- Taught introductory programming courses in Ruby, Python, JavaScript, HTML, and CSS
- Responsible for ensuring that 12 students completed programming curriculum and produced at least 2 projects in just 5 days

Make School, Los Angeles, CA   June 2016 –July 2016
iOS Development Student

- Participated in 4 week program to design, develop and ship an iOS game to the App Store
- Learned how to use Xcode and Swift to develop games and applications for iOS

PROJECTS

Naps

- Mobile web application created to notify sleeping bus passengers that their stop is approaching. Built using Javascript, Esri API, and Los Angeles Metro Bus Data.
- Awarded the Best Use of ESRI API at Hacktoberfest 2015.

D.S.L.X. (Designated Learning for Student X-cellence)

- Mobile web application created to encourage literacy in young children using HTML, CSS, jQuery, and Responsive Voice API. Collaboratively built as a final project for Girls Who Code Summer Immersion Program.

Wellesley Course Selector

- Project created in Java that makes course suggestions to Wellesley College students based on courses already taken and their major. Also helps students track remaining requirements for selected major.

Spin

- An iOS game built using Swift with SpriteKit and UIKits where the user must stop a spinning wand at the corresponding color.

SKILLS

Programming Languages: Java, Python, C,C++, JavaScript, HTML/CSS, Swift, SQL

Tools: Git, AWS (ECS, ECR), Docker, Splunk, Gradle