

JHONELLE MOORE

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Education

Princeton University

Sep. 2021 – May 2025

Bachelor of Science in Computer Science.

Princeton, New Jersey

- Relevant Coursework: Algorithms and Data Structures, Web Development and Advanced Programming Principles, Principles of system design.
- Responsibilities: Residential College Adviser, Secretary of the Caribbean Connection Club.

Technical Skills

Languages: Python, Java, Go, Scala, HTML/CSS, JavaScript, PostgreSQL.

Developer Tools/Frameworks: Flask, SpringBoot, Apache Beam, ElephantSQL, Render, Grafana, VS Code, Git

Experience

Intuit Credit Karma

May 2024 – August 2024

Software Engineer Intern | Python, Scala, GCP, BigQuery, CircleCI, Monte Carlo, Bash

Charlotte, North Carolina

- Configured and deployed an **Apache Beam Dataflow job** using Google Cloud's Flex-Templates to process large-scale **BigQuery data** and write to a Pubsub data service consumer. Successfully facilitated seamless data migration within Credit Karma to improve categorization of **machine learning models**.
- Developed a **Bash script** to automate the deployment of Dataflow templates across multiple environments, reducing **CircleCI** build redundancies by 10%.
- Collaboratively designed and implemented end-to-end flow of asset deprecation, including an automated workflow for deprecating an asset, and an **Apache Spark Airflow** job to automate reminder notifications to an audit table.

TraceLink Inc.

May 2023 – August 2023

Software Engineer Intern | Python, Grafana

Wilmington, Massachusetts

- Developed an optimized command-line script using Python's **Hydra** framework that assessed 15 API responses to determine environment health, and exposed 2 message processing bugs to the Engineering team.
- Collaborated with **3** Engineering teams, offering **2** recommendations to meet troubleshooting requirements.
- Developed a **Grafana** dashboard integrated with Prometheus line-series database metrics to monitor system health and resource utilization. Successfully detected 1 over-used container thread application bug.

Projects

NJFDC Food Directory Web Application | Python, Flask, Bootstrap, SQLAlchemy, PostgreSQL

December 2023

- Collaborated with a team to create a web application in partnership with New Jersey Food Democracy aimed at compiling food resources for combatting food insecurity and ensuring public accessibility.
- Implemented CRUD (Create, Read, Update, Delete) functionalities for all 120 database operations using SQLAlchemy.
- Designed and implemented Flask routes to handle HTTP requests, session management and error handling.
- Developed and managed **20+** table back-end database schema and code to support contributor and admin functionalities, such as resource uploading, updating, and deletion.
- Conducted **10** user engagement sessions with contributors, reviewers and admins, presenting mock-ups, website functionality and gathering feedback to refine the system.

Java Movie Search Engine | Java, SpringBoot, MongoDB, OpenAI, Git

December 2023

- Developed a semantic search API using OpenAI API for embedding text input and MongoDB for performing a vector search on the movie database enabling users to find movies based on plot descriptions.
- Gained experience in RESTful API creation, integrating MongoDB with Java backend applications, and enhancing search functionalities using semantic embeddings.

Leadership / Extracurricular Activities

Affiliations

Present

AfroTech 2023, Grace Hopper Virtual Attendee, Rewriting the Code (RTC), Codepath, ColorStack, SWE, NSBE

Princeton Caribbean Connection Club

Summer 2023 – Present

External secretary

Princeton University

- Collaborated with a team to launch Princeton's first Caribbean conference and led a panel session about STEM in the Caribbean.

Every Mikkle Foundation

Summer 2020 – Spring 2023

Finance Team Leader

Kingston, Jamaica

- Led a team that enforced an effective individual fundraising system and kept members accountable which increased overall intra-organizational funds by \$1340USD over regular six-month intervals.