

JHONELLE MOORE

4851 Frist Campus Center, Princeton, NJ 08544

📞 908-530-8983 ✉ jm2471@princeton.edu [in linkedin.com/in/jhonellemoore](https://www.linkedin.com/in/jhonellemoore) github.com/jhonellemoore github.com/jhonellemoore 🌐

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: GCP (Airflow, Dataflow, Pubsub, Composer), Flask, 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** to process large-scale **BigQuery data** and write to a Pubsub data service consumer. Successfully migrated data from Credit Karma to secure table zones to improve ML categorization models .
- Developed a **Bash script** to automate the deployment of Dataflow templates across test and prod environments, reducing **CircleCI** build redundancies.
- Developed E2E workflow for an asset deprecation process. Designed and implemented the architecture to manage asset deprecation statuses and integrated Airflow for scheduling and tracking reminders related to the deprecation process.

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 dynamic food resource directory for a non-profit organization.
- Developed and managed 20+ table back-end database schema and 120 database operations to support contributor and admin CRUD functionalities
- Designed and implemented Flask routes to handle HTTP requests, session management and error handling .
- 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.