JHONELLE MOORE

4851 Frist Campus Center, Princeton, NJ 08544

📞 908-530-8983 ✉ jm2471@princeton.edu 🔗 linkedin.com/in/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: 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** 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 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.