RY SONKO

Junior Software Engineer

📞 845-287-9591
@ businessitsquiet@gmail.com
🔗 ryreadme.github.io
📍 New York, NY

SKILLS

Python Javascript Django REST API Git React

Machine Learning OOP HTML/CSS PostgreSQL

Data Structures & Algorithms

EXPERIENCE

Data Science Intern

Forge (formerly HackCville)

📅 09/2019 - 05/2020 📍 Charlottesville, Virginia

- Prototyped a KNN model predicting month(s), age(s), and reason(s) for departing high schoolers from C4K; boosting retention rate by 30%.
- Collaborated with team of 4 analysts to conduct data analysis for University of Virginia Sustainability redesigning move-in-day processes to reduce waste accumulation by 25%.
- Reviewed metrics and partnered across teams to deliver time-sensitive reports for university managers to meet and exceed 2025 waste reduction targets.

Web Developer Intern

Brickhouse Solutions & NestSeekers

📅 06/2019 - 08/2019 📍 New York, NY

- Undertook 2 front-end UI projects designing front pages and website navigating tools using SEO, CCS, HTML; performed unit testing at page level.
- Customized adaptive website using Squarespace, HTML, and CSS creating user-friendly widgets and navigation options for site visitors, increasing responsiveness by 60%.
- Directed graphic designer to design wireframes for mobile website layout; utilized Illustrator and planned integration layout across 5 technology platforms.

Fellow

DC Business Lab

📅 01/2018 - 02/2018 📍 Washington D.C.

- Partnered with 4-person team to redesign an NFL App undertaking UI design using Figma; ranking 1st out of all other apps submitted.
- Analyzed accounting procedures and internal financial controls of 4 banks to provide comprehensive feedback; supervised audit of high-value inventory to ensure adherence to financial records.
- Presented an audit on mock JP Morgan, Wells Fargo, Bank of America, and Goldman Sachs financials to 10 Accenture associates.

PROJECTS

Rotation

🔗 https://github.com/ryreadme/rotation

- Developed a full-stack web app for music sharing using: JS, Python Django, Django REST API, HTML/CSS, React and OOP.
- Integrated Spotify's third party API to allow users to connect to their accounts and play music.

Google Maps Dakar

🔗 https://github.com/ryreadme/google-maps-sn

- Cloned Google Maps using Mapbox API, JS, HTML, CSS; improving Dakar's navigation.
- Designated holiday hotspots with 15 vacationers; added geolocations, leading to 50% uptick in navigation efficiency.

Stock Market

🔗 https://github.com/ryreadme/stock-market

- Utilized data visualization tools including Seaborn and analytical tools including Python to deliver insights on stock price predictions.
- Trained and tested data using ML techniques including regression, classification, and current algorithms.

LANGUAGES

English
Native

French
Proficient

Wolof
Native

EDUCATION

BA Foreign Affairs

University of Virginia

📅 08/2016 - 05/2020

- Coursework in Intro to Programming
- VP of the Organization of African Students
- Executive Director of Africa Day
- Volunteer at the Boys & Girls Club Charlottesville
- Volunteer Tutor at Venable School