Issouf Diarrassouba

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EDUCATION

The George Washington University | Washington D.C.
B.S. in Computer Science   Expected May 2025
Relevant Coursework: Algorithms, Operating Systems, Big Data & Analytics, Computer Networks
Awards: Dream It Real Scholarship Fund, University & Alumni Award

TECHNICAL SKILLS

Programming Languages: Python, Java, Swift, Kotlin, C SQL, R
Cloud & Networking: AWS (VPC, EC2, IAM, S3, Lambda), Networking (DNS, Subnetting, HTTP, TCP/IP)
Framework & Tools: Vapor, Flask, React, Docker, Firebase, Git, Github, Postman, Linux
Databases: DynamoDB, MySQL, Firebase Realtime DB
Tools & Certifications: DynamoDB, MySQL, Google Data Analytics (Coursera), Google IT Support (Coursera)
Languages: Fluent in English and Spanish (NYC Seal of Biliteracy)

PROFESSIONAL EXPERIENCE

Math Matters | *Lead Tutor & Summer School Teacher* | Washington D.C.   January 2022 - Present
- Led bi-weekly academic strategy meetings to track student progress in mathematics
- Designed and delivered **8+** custom math lesson plans; improved student comprehension by **30%**

The Opportunity Network | *Data Analyst Intern* | New York, NY   June 2021 - August 2023
- Automated reports using pivot tables and Excel, increasing accuracy by **95%**
- Designed and facilitated 3 career-readiness workshops for 50+ high school students, incorporating interactive tools and survey analytics, with 90% growth in networking confidence
- Delivered data-driven insights to OppNet leadership to support program enhancement strategies, improving student service outcomes and implemented data-backed interventions to improve organizational impact metrics

PROJECTS

HouseMatch | *Backend Developer | iOS Rental App* | Swift, Vapor, AWS   November 2024 - April 2025
- Developed a scalable IOS backend with Vapor hosted in AWS; enabled secure token-based authentication and a robust session management
- Engineered efficient network request handling for real-time property listings using RESTful APIs
- Architected system for high concurrency and reliability utilizing AWS Lambda

RentalMatch | *Full Stack Developer | Android Rental App* | Kotlin, Java, Firebase   July 2024 - January 2024
- Built Android app with real-time data synchronization via Firebase Realtime Database
- Created personalized property recommendation engine using user preference modeling
- Ensured resilient service behavior and responsive UX under dynamic data conditions

University Management | *Full Stack* | Python Flask, HTML, CSS, SQL   January 2023 - May 2023
- Designed and implemented a full-stack system supporting student registration workflows and approval logic
- Integrated secure user login and role-based access control to manage data access

LEADERSHIP & PROFESSIONAL DEVELOPMENT

National Society Of Black Engineers (NSBE) | *Senator* | Washington D.C.   April 2024 - Present
- Liaised between chapter and regional directors, ensuring alignment with national and regional directives and initiatives

The Opportunity Network | *OppNet Fellow* | New York, NY   June 2019 - Present
- Selected as one of 160 for a premier college and career prep program for underrepresented students
- Engage in leadership coaching, professional development, and mentorship driven events

Conferences Attended:
- NSBE 50th Annual Convention   Spring 2025
- BEYA Annual STEM Conference   Spring 2025

AFFILIATIONS & INTERESTS

Affiliations: National Society of Black Engineers (NSBE), CodePath, ColorStack, GW Men's Club Soccer
Interests: ML & AI, Data Engineering, Cloud Infrastructure, Wheel Thrown Pottery, Premiere League Football