Kenenna Daniel Nwankwo

(240) 997 4119 • KeneDaniel@gmail.com • KeneNwankwo.com
Washington DC Metro Area

EDUCATION

University of Maryland **College Park, MD**
B.S., Computer Science, Finance, & International Business Graduation August 2024
Organizations: College Success Scholars • First-Year Innovation & Research Experience Business GPA 3.75 Comp Sci GPA 3.96

SKILLS

Python, Java, JavaScript, ReactJS, C/C++, OCaml, Pandas, Stata, HTML, MS Suite, Google Suite, AVR Assembly, Git

EXPERIENCE

Goldman Sachs **Dallas, TX**
Summer Analyst June 2024 – Present
- Automated daily tasks for teams using Python and Microsoft Windows API, streamlining processes by parsing data with Pandas and automatically drafting emails, increasing efficiency and accuracy saving approximately three hours per week.
- Built a data analysis tool using Python and Pandas, forecasting bond settlement times, enhancing decision-making efficiency.
- Collaborated with trading desks and external clients to ensure judicious handling of $130 billion in daily trading volumes.

Theia-University Nanosatellite Program **College Park, MD**
Software Engineer November 2023 – May 2024
- Develop and implement critical software components for Theia nanosatellite using the low-level language Rust, ensuring bug-free operation, memory safety, and efficient utilization of limited onboard resources.
- Collaborate with the hardware engineering team to integrate solutions seamlessly with the satellite's hardware components.

Campus Educators **College Park, MD**
Software Engineer March – July 2023
- Spearheaded front-end development of user-friendly and responsive web interfaces for a student-run startup, specializing in connecting students with tutors from their university and local area.
- Partnered closely with cross-functional teams to translate business requirements into technical solutions, leveraging my background in finance to inform key strategic initiatives ensuring alignment with organizational goals and objectives.

Owens Corning **Toledo, OH**
Corporate Finance Intern – Economics Dep. May – August 2023
- Developed a comprehensive predictive model using Python and Stata to accurately a forecast $500 million market segment.
- Utilized statistical analysis techniques and market research to identify key variables that influence market trends and demand.
- Provided insights and actionable recommendations based on forecast, contributing to the teams strategic planning.
- Collaborated with cross-functional teams incorporating feedback, to enhance the accuracy and robustness of the forecasts.

University of Maryland Office of Multiethnic Student Education **College Park, MD**
Senior Team Leader May 2019 – January 2024
- Mentored a group of 80 students on academic and professional skills, as well as provided personal support and advising.
- Maintained multiple databases to record student data, enabling timely intervention and support for underperforming students.
- Interviewed and assessed applicants for leadership roles within the Office of Multiethnic Student Education.

PROJECTS

Online Multiplayer Minesweeper – Java
- Developed a Minesweeper game with a Java Swing GUI, featuring a unique scoring system, and custom game options.
- Implemented multiplayer functionality using Java Sockets and Threads and created a custom communication protocol to minimize processing time, ensuring seamless real-time gameplay for competitors online.

Programming Language Compiler – Racket
- Developed a specialized computer language as a subset of the programming language Racket, focusing on functional programming, efficiency, functions, exception handling, data types, pattern matching, lambda expressions.
- Implemented the compiler, enabling conversion of Racket input into x86 machine code for execution on computer systems.

Clustering and the Farthest-First Traversal – Java
- Created optimized data structures of a weighted leftist heap and sliding midpoint K-D tree from the ground up.
- Used structures to create an efficient algorithm to store nearest cell towers to cell users on a 2-dimensional plane as users and towers are added and removed. Developed an efficient algorithm to find the optimal location to place future cell towers.

Professional Portfolio Website – ReactJS, AWS
- Developed a personal website using ReactJS, showcasing strong proficiency in front-end development and responsive design.
- Demonstrated expertise in AWS by deploying the website using Amazon S3 for static content hosting.

ACTIVITIES/AFFILIATIONS

College Success Scholars – *Executive Board Member* **College Park, MD**
- Identified key questions and issues; social, political, and cultural across communities in the United States.

FIRE-First-Year Innovation & Research Experience – *Student Researcher* **College Park, MD**
- Co-authored and presented an academic paper on technological advances regarding transforming job markets.
- Designed modern solutions via electronics and computer programming.