Kevin Nyquist

Greater Atlanta Area | www.linkedin.com/in/kevin-nyquist

TECHNICAL SKILLS

- **Programming Languages**: Java, Python, SQL, TypeScript/JavaScript, C++, C#, HTML/CSS, GraphQL
- **Additional Skills**: .NET, Angular, React, PostgreSQL, MySQL, REST API, Git, Docker, TDD, JIRA, Postman, DevEx, Figma, NumPy, Scikit-Learn, Matplotlib, Pandas

RELATED EXPERIENCE

NCR Corporation – Atlanta, GA May 2022 - December 2022
Software Engineering Intern/Part-time

- Utilized .NET Core and Angular frameworks within a microservices architecture, following scrum agile development, to create a new web application for both internal and external developers, leading to a significant boost in productivity and efficiency
- Streamlined access to device analytics using internal APIs, resulting in an instant view on the UI and eliminating manual queries to empower customers with enhanced device management capabilities
- Led a group of 3 part-time workers dedicating 100+ hours to building a new responsive web application
- Employed NUnit testing within a Test-Driven Development framework to uphold quality standards

Northside Hospital – Atlanta, GA May 2021 - August 2021
IT Security/Technology Intern

- Employed cloud-based tools to generate and collect valuable network security data analytics to expedite reports going to upper management, aiding in IT departmental decision-making processes

EDUCATION

University of Georgia - Athens, GA
M.S. in Computer Science January 2022 – May 2024
GPA: 3.72/4.00
Coursework: Algorithms, Machine Learning, Advanced Cloud Computing, Database Management, Data Mining
Bachelor of Science in Computer Science, Magna Cum Laude August 2019 – May 2023
Minors: Business and Spanish
GPA: 3.82/4.00

PROJECT EXPERIENCE

IoT-Edge In-Situ Environmental Sensor Platform August 2023 – May 2024
Master's Project

- Designed and developed a fault-tolerant remote energy-harvesting device platform for the collection and analysis of long-term environmental data in saltwater marshes, enhancing system reliability and accelerating data collection
- Enhance system modeling with Python to visualize, test, and evaluate the impact of various environmental factors on the platform's sensing and energy collection forecasting capabilities

Carbon Emissions Analytics Application February 2024 - May 2024
Database Management

- Led a group of 4 students in the end-to-end design, development, and testing of a Docker containerized carbon analytics application integrating PostgreSQL and FastAPI REST API for efficient communication between a user-friendly frontend interface and backend components, ensuring optimal performance

Machine Learning Music Popularity Prediction Platform August 2023 – November 2023
Data Mining

- Executed comprehensive data collection, visualization, and cleaning to create datasets of music audio features compiled from Spotify's Web API and leveraged predictive models to gauge music popularity
- Evaluated performance metrics of different models to assess and optimize their predictive capabilities

INVOLVEMENT

UGA Men's Club Lacrosse – Athens, GA September 2019 – December 2023
Offensive Coordinator September 2023 – December 2023
Event Coordinator and Captain September 2022 - May 2023

- Independently managed a travel budget exceeding $35,000 and organized cross-country team travel