Kevin Aguirre

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EDUCATION

New York University, Tandon School of Engineering　　　　　　　　　　　　　　Brooklyn, NY
Bachelor of Science, Computer Science

- Cumulative GPA: 3.6
- Relevant Coursework: Object Oriented Programming; Data Structures & Algorithms; Computer Architecture & Organization

EXPERIENCE

Software Engineering Intern - 4Human Corporation　　　　　　　　　　　　　　**Summer 2024**

- Designed and created frontend components and pages for an e-commerce website.
- Engineered an admin dashboard that allows administrators to manage users, product inventory, and transactions.
- Reviewed pull requests, made suggestions when appropriate, and merged changes into the main branch.
- Utilized Firebase Console, Next.js, React.js, JavaScript, Typescript, Node.js, and GitHub.

Course Assistant - NYU Center for K12 Stem Education　　　　　　　　　　　　**Summer 2024**

- Assisted in teaching middle school students about the science of smart cities and how topics such as Transportation, Wireless Communication, and Energy can be integrated into their own hypothetical cities using Arduino.
- Managed inventory, taught students how to create their own Arduino circuits, and developed course curriculum.

Software Developer - NYU Holodeck: High Speed Research Network　　　　　**Fall 2023 - Present**

- Created unit tests in Jest that integrate with Next.js for dashboard features and Corelink Browser Client that tests all server functions and components.
- Presented progress in weekly team meetings, actively contributed to and maintained project code in a Gitlab group repository, and integrated unit tests into CI/CD pipeline.
- Utilized Next.js, Node.js, React.js, Redux.js, Jest, JavaScript, and TypeScript.

PROJECTS

QuickLook　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　**Summer 2024**

- Developed a full-stack application that allows users to learn more about phrases/terms by generating summaries.
- Utilized the OpenAI API to have ChatGPT generate summaries based on terms, which users can organize into sets.
- Engineered a Spring Boot backend that uses the Spring Data JPA to store user information in a PostgreSQL database.

Python LeetCode Data Scraper　　　　　　　　　　　　　　　　　　　　　　　**Summer 2024**

- Developed a web scraper using Python to fetch information about various study plans and problems from LeetCode.
- Integrated a GUI using Qt that allows users to select various study plans and choose a supported programming language for each plan.
- Generates files organized by study plan with code snippets and problem descriptions found on LeetCode, allowing users to work on LeetCode problems locally.

TECHNICAL SKILLS

- **Languages:** Python; C/C++; Java; HTML; CSS; JavaScript; TypeScript; SQL; Bash
- **Frameworks:** React.js; Node.js; Next.js; Express.js; Redux.js; Spring Boot
- **Technologies:** MongoDB; PostgreSQL; Git; GitHub; GitLab; Linux; Microsoft Office