

KEVIN AGUIRRE

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EDUCATION

New York University, Tandon School of Engineering

May 2027

Masters of Science, Computer Science | Bachelors of Science, Computer Science

- Minors: Mathematics, Cybersecurity
- Relevant Coursework: Object Oriented Programming, Design & Analysis of Algorithms, Operating Systems

RELEVANT EXPERIENCE

Broadcom

May 2025 - August 2025

Incoming Software Engineering Intern

Melville, NY

NYU Secure Systems Laboratory

December 2024 - Present

Software Developer

New York, NY

- Developing a web interface to display delegations and permissions for gittuf repository branches, files, and tags.
- Engineered ability to determine whether developers are authorized to modify a repository branch.

NYU HSRN VIP

September 2023 - Present

Software Developer

New York, NY

- Developed unit tests in Jest to test server functions and dashboard components written in Next.js.
- Integrated unit tests into CI/CD pipeline, maintained code in GitLab, and presented progress in weekly meetings.
- Utilized Next.js, Node.js, React.js, Redux.js, Jest, JavaScript, and TypeScript.

4Human Corporation

May 2024 - August 2024

Software Engineering Intern

New York, NY

- Engineered an admin dashboard that allows administrators to manage users, product inventory, and transactions.
- Developed frontend components for an e-commerce website and reviewed pull requests before merging changes.
- Utilized Firebase Console, Next.js, React.js, JavaScript, Typescript, Node.js, and GitHub.

OTHER EXPERIENCE

NYU TRIO Scholars Program

Fall 2024 - Present

Peer Tutor

New York, NY

- Provided one-on-one tutoring for courses such as *Introduction to Programming* and *Data Structures & Algorithms*.
- Guided students through curriculum concepts and provided practice questions to refine their understanding.

NYU Center for K12 Stem Education

May 2024 - Present

Course Assistant

New York, NY

- Assisted in various courses teaching middle school students about Arduino circuits, C Programming, and CAD.
- Debugged students' Arduino circuits, managed inventory, and assisted in developing course curriculums.

PROJECTS

[QuickLook](#) (React.js, Next.js, Java, Spring Boot, PostgreSQL, OpenAI API)

May 2024 - August 2024

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

[LeetCode Data Scraper](#) (Python, BeautifulSoup, Qt)

May 2024 - August 2024

- Developed a web scraper using Python to fetch information about various study plans and problems from LeetCode
- Engineering a GUI using Qt, allowing users to select study plans and choose a respective programming language
- Generates files with code snippets and problem descriptions organized by study plan for local LeetCode practice.

[Workout Tracker](#) (React.js, Node.js, Express.js, MongoDB)

December 2023 - January 2024

- Developed a workout tracker dashboard allowing users to monitor and manage their exercise routines.
- Implemented workout logging, goal setting, progress evaluation, and a daily and weekly streak system
- Established RESTful API endpoints in Node.js to perform CRUD operations related to workouts and goals.
- Utilized HTML, CSS, JavaScript, React.js, Node.js, Express.js, and MongoDB

TECHNICAL SKILLS

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