Nicholas Gutierrez

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EDUCATION

Farmingdale State College Farmingdale, NY

B.S. in Computer Science, Magna Cum Laude, GPA: 3.83 *May 2024*

Coursework: Data Structures and Algorithms, Object-Oriented Programming, Database Management, AI and Machine Learning, Operating Systems, Android Mobile Development

TECHNICAL SKILLS

Languages: TypeScript, Java, C#, Python, PHP, Kotlin, SQL
Technologies: React, Node.js, .NET, Angular, Vue, Next.js, Laravel
Developer Tools: Git, Unix/Linux, Docker, Kubernetes, Firebase, Postman, Agile
Testing: JUnit, Swagger, Jest

EXPERIENCE

Incoming Software Engineering Fellow Jul 2024 - Sep 2024

Headstarter AI *Remote*

- Selected among thousands of applicants to participate in a 7 week program where I will build multiple projects, end-to-end, and make valuable contributions to open-source.

Software Engineer Intern Feb 2024 – Present

BeeEnrolled *Remote*

- Contributed to full-stack development of an E-learning platform utilizing Vue, Laravel, and MySQL, adhering to the Model-View-Controller (MVC) design pattern best practices.
- Improved social media outreach by developing dynamically generated Open Graph meta tags, providing a visually appealing and contextually accurate view of each URL, leading to a 73% increase in site traffic.
- Achieved a 20% decrease in average page load time for the instructor dashboard by developing an API that enables conditional rendering of Vue components pertaining to onboarding completion.
- Spearheaded development of a new feature, utilizing Laravel's ORM, to efficiently query and serve dynamic class schedules based on user-specified time ranges.

PROJECTS

Oyster | *TypeScript, React, Remix, Node.js, Redis*
Open-source Contributor

- Implemented an administrative feature allowing admins to edit and moderate resource content posted by all users, protecting content quality and accuracy while maintaining user permissions.
- Developed a streamlined reward system integrating with the Goody API, enabling administrators to efficiently distribute gift cards to top-performing members through a user-friendly interface.

AI PDF Analyzer | *TypeScript, Next.js, AWS S3, PostgreSQL, Pinecone*
Sole Contributor

- Developed a fullstack webapp focused on users uploading PDF documents to an S3 bucket which are scanned into vector embeddings and interpreted by an OpenAI model for users to chat with about the selected PDF document.
- Applied the Retrieval-Augmented Generation (RAG) technique in machine learning to convert PDF documents into vector embeddings and analyze them using vector similarity for AI-driven interactions.

Elevate | *Node.js, React, Redux, PostgreSQL, APIs*
Student Developer

- Collaborated with a cross-functional team of 3 other students to create a fitness and dieting platform with a comprehensive set of features including workouts tracking, workout tutorials, and nutrition fact breakdowns.
- Led development of multiple features, including a fitness chatbot, a gym locator, and workout tutorial page.

LEADERSHIP & PROFESSIONAL DEVELOPMENT

CodePath | *Technical Interview Prep Student*
Google Student Developer Club | *Co-Technical Lead* | Farmingdale State College
ColorStack | *Member*