William Jijon

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EDUCATION

Farmingdale State College — Farmingdale, NY
Bachelor of Science in Computer Science, Minor in Business Management — *May 2027*
- **Relevant Coursework:** Object-Oriented Programming, Data Structures & Algorithms, Software Design, Computer Networks, Operating Systems, Linear Algebra, Discrete Mathematics

TECHNICAL SKILLS

Languages: Python, Java, JavaScript, TypeScript, C, HTML, CSS, SQL
Frameworks & Libraries: React.js, Next.js, Node.js, Postgres, Tailwind CSS, Flask, SQLAlchemy, Spring Boot
Tools & Technologies: Git/GitHub, Azure, Linux, Bash, Firebase, Supabase, Vercel, RESTful APIs

EXPERIENCE

Software Developer Intern — June 2025 – August 2025
SEO Tech Developer Program — *Remote*
- Improved IntelliSpeech's real-time connection reliability and latency by managing WebRTC signaling, reconnection logic, and event synchronization using Node.js and Socket.IO.
- Contributed interactive UI components to GeoTrend, enhancing usability and enabling region-based trend exploration using dynamic map views.
- Automated CI/CD pipelines using GitHub Actions to run tests and manage deployments, improving collaboration workflows and cutting deployment time by 30%.

PROJECTS

IntelliSpeech - *Video call platform with live translation* — July 2025
React.js, Tailwind CSS, WebRTC, Socket.IO, Supabase, ElevenLabs
- Implemented a real-time video call translation platform with secure user authentication, voice cloning, and transcripts for 80+ languages using Google Translate and ElevenLabs APIs.
- Engineered real-time session management logic to handle user joins, disconnects, and reconnections, improving call stability under fluctuating network conditions.
- Optimized peer-to-peer calls with WebRTC and Socket.IO, and scaled the backend with TypeScript and Supabase, reducing translation delays by 25% across active sessions and ensuring smoother real-time communication.

GeoTrend - *Location-based trend explorer* — July 2025
React.js, JavaScript, Tailwind CSS, Reddit API, Supabase
- Developed a location-based global trend explorer with Mapbox GL JS that visualizes real-time Reddit data by region, reducing map render time by 30% and enabling users to explore trending topics through an interactive interface.
- Built dynamic client-side state management to synchronize map interactions, filters, and trend data, enabling seamless region-based exploration without full page reloads.
- Implemented Vitest unit tests and GitHub Actions CI/CD workflows that cut deployment time by 40%, ensuring faster releases, greater reliability, and a smoother developer experience across the project lifecycle.

FinTrack - *Personal finance manager tracking expenses and budgets* — May 2025
Java, Spring Boot, JavaFX, CSS, MySQL (Azure), Maven
- Built a full-stack personal finance application using JavaFX and Spring Boot, enabling secure management of budgets, transactions, and savings goals with a MySQL database deployed on Microsoft Azure.
- Designed and implemented RESTful APIs and database schemas to handle transactions, budgets, and savings goals, ensuring consistent data integrity between the JavaFX client and MySQL backend.

AFFILIATIONS / AWARDS

Best Overall Project – SEO Tech Developer Cohort – *Awarded for IntelliSpeech* — August 2025
SEO EDGE Participant – *SEO Career* — June 2024 – Present
Farmingdale State College Dean's List – *Academic excellence recognition* — August 2023 – Present