

GIOVANNI SANCHEZ

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EDUCATION

Muhlenberg College

Expected Graduation: May 2026

Bachelor of Science in Computer Science, Minor in Studio Art

Allentown, PA

Relevant Coursework: Data Analytics, Data Structures and Algorithms, Software Engineering, Computer Organization, Mobile Development, Database Systems, Computing in Java, Computer Networks, Human-AI Interaction

EXPERIENCE

Sumo

November 2025 – Present

Founder & Developer

Remote

- Launched a TestFlight closed beta (200 users) for a subscription-based, AI-powered meal planning and wellness app that generates personalized weekly meal plans from user biometrics, dietary restrictions, and fitness goals
- Implemented Apple/Google in-app subscriptions and ran paywall A/B tests, improving retention by 10%
- Integrated Google Gemini 2.0 for plan generation and fast-whisper for transcription, with Supabase for secure user data and real-time syncing, enabling fast iteration on onboarding and monetization flows

Muhlenberg Intelligence and Neural Development

August 2024 – May 2025

Undergraduate Research Assistant

Allentown, PA

- Architected and deployed a PostgreSQL database with Supabase edge functions for Coral AI hardware, enabling efficient user data storage and retrieval while increasing query speed by 40%
- Enhanced transcription accuracy by 70% through integration of OpenAI's Whisper model, processing real-time audio streams and improving user interaction quality across 200+ test sessions

ProPaint Solutions Inc.

October 2023 – February 2024

Software Engineering Intern

Austin, TX (Hybrid)

- Developed a job estimation and scheduling web application using React and Node.js, streamlining quote generation for 20+ commercial painting projects and reducing estimation time by 40%
- Built a RESTful API with Express.js and PostgreSQL to manage customer data, project timelines, and material inventory for 10+ contractors, improving operational efficiency by 30%
- Implemented automated email notifications and SMS alerts using Twilio API for project updates, enhancing client communication and reducing missed appointments by 25%

Google Computer Science Summer Institute (CSSI)

June 2022 – August 2022

Software Development Fellow

Remote

- Selected from 1,000+ applicants for a competitive summer program, collaborating with a team of 4 to architect and develop a full-stack JavaScript weather application integrating OpenWeatherMap API with real-time data visualization
- Engineered responsive front-end interface using vanilla JavaScript, HTML5, and CSS3, implementing geolocation services and dynamic weather forecasts for 50+ global cities

PROJECTS

Re:queue | *Next.js 15, TypeScript, Neon Database, Clerk Auth, Tailwind CSS*

August 2025 – November 2025

- Engineered a real-time, queue-based task management platform with Next.js 15, TypeScript, and PostgreSQL (Neon), featuring OAuth authentication, role-based access control (RBAC), and collaborative task workflows
- Designed modern, responsive UI with glassmorphism styling, drag-and-drop task queues using DnD Kit, and live WebSocket-powered activity feeds, increasing user engagement by 40% in beta testing

Commercial Contractor Web Solutions | *Next.js, React, PostgreSQL, JWT Auth*

May 2024 – October 2024

- Engineered and deployed 3+ full-stack web applications for commercial painting and remodeling contractors, implementing React UIs, JWT auth, and PostgreSQL-backed data models
- Built production deployments with environment-based configuration, database migrations, and performance optimizations (query tuning and indexing) to improve reliability and page load time

TECHNICAL SKILLS

Languages: JavaScript/TypeScript, Python, Java, C/C++, SQL, NoSQL, HTML/CSS, Dart

Frameworks: React, React Native, Next.js, Node.js/Express, Flutter, Tailwind CSS, Redux

Data & Cloud: PostgreSQL, Supabase, Firebase, Redis, AWS (EC2, Route 53), Docker

Systems: Caching, Indexing, Pagination, Rate Limiting, CI/CD, Monitoring

Tools: Git/GitHub, Google Cloud