

George Nakashyan

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Professional Experience

Full Stack Software Engineer <i>Softworld</i>	03/2025 – Present Westbury, NY
<ul style="list-style-type: none">Developed PostgreSQL DB with 4 schemas using Drizzle ORM, implementing relationships across 15+ tables with type-safe migrations and dual-backend sync to legacy Quickbase via Cron JobsDesigned file-based access control using Next.js nested routes and server-side authorization checksEngineered type-safe server action pattern with Zod validation, implementing atomic batch operations for multi-record upserts with consistent error handling	
Software Engineer <i>Freelance</i>	05/2024 – Present Hicksville, NY
<ul style="list-style-type: none">Partnered with clients to create or further optimize internal applications and websitesDecreased product development time by utilizing full stack frameworks such as Next.js and MERNReduced processing costs to 2.9% and improved security for user payments by integrating Stripe	
Front End Software Engineering Intern <i>Farmingdale State College</i>	08/2023 – 12/2023 Farmingdale, NY
<ul style="list-style-type: none">Reduced training time for new staff by 30% by creating a reactive webpage including all training materialsCrafted reactive web elements, improving reported UX by 40% on Farmingdale's websiteReduced task time by 20% with SQL-based staff availability lists	

Projects

Real-Time Parking Spot Reservation

<http://github.com/georgenakashyan/ParkingPal>

- Led a team of 5 to develop a web app for renting and reserving parking spots
- Integrated Google Maps API for interactive facility mapping
- Used Firestore for real-time, persistent data storage

Simulating Prisoner's Dilemma on Graph Networks

<http://github.com/georgenakashyan/PrisonerDilemmaSimulation>

- Analyzed and visualized data with Matplotlib and NetworkX libraries
- Applied the Fermi Function algorithm to model interactions based on popularity
- Improved simulation efficiency with multithreaded graph rendering
- Published findings in ASONAM 2023 (17.2% acceptance rate)

Education

B.S. Computer Science <i>Farmingdale State College</i>	Farmingdale, NY
3.9 GPA Summa Cum Laude Academic Excellence Award	

Skills

Languages: Java | Typescript | Javascript | Python | SQL | C

Frameworks & Libraries: Vite | Next.js | React | Node.js | Express.js | Redux | Zustand | Drizzle

Database: MongoDB | PostgreSQL | Firebase | Quickbase

Other: Docker | Auth0 | Google Cloud | Vercel | Zod | Tailwind | MUI | Git | HTML/CSS