

George Nakashyan

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Professional Experience

Full Stack Software Engineer

03/2025 – Present | Westbury, NY

Softworld

- 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 Jobs
- Designed file-based access control using Next.js nested routes and server-side authorization checks
- Engineered type-safe server action pattern with Zod validation, implementing atomic batch operations for multi-record upserts with consistent error handling

Software Engineer

05/2024 – Present | Hicksville, NY

Freelance

- Partnered with clients to create or further optimize internal applications and websites
- Decreased product development time by utilizing full stack frameworks such as Next.js and MERN
- Reduced processing costs to 2.9% and improved security for user payments by integrating Stripe

Front End Software Engineering Intern

08/2023 – 12/2023 | Farmingdale, NY

Farmingdale State College

- Reduced training time for new staff by 30% by creating a reactive webpage including all training materials
- Crafted reactive web elements, improving reported UX by 40% on Farmingdale's website
- Reduced 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

Farmingdale, NY

Farmingdale State College

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