

Eric Zwierzynski

ericzwierzynski1@gmail.com | ericzwierzynski.com | 718-650-0663
github.com/ericshark | linkedin.com/in/eric-zwierzynski

EDUCATION

City University of New York, College of Staten Island

Bachelor of Science in Computer Science | GPA: 3.63/4.00

May 2025

Staten Island, NY

TECHNICAL SKILLS

Programming Languages: Python, JavaScript, Java, SQL

Frameworks: FastAPI, Pytest, Pandas, NumPy, SQLAlchemy, React, Node.js, Next.js, Express.js

Databases: PostgreSQL, MongoDB, MySQL

Developer Tools: Git/GitHub, Docker, Airflow, Linux, VS Code, Postman, Jira, Figma, MS Excel/Project, Aha!

EXPERIENCE

Software Developer Intern

May 2025 – September 2025

GeoComm

Remote

- Built backend Python services powering public-safety GIS workflows for 9-1-1 response, ensuring reliable and timely emergency data.
- Developed Airflow DAGs to track whether required files were present across all tenants, generating automated reports and reducing manual validation effort by about 30%.
- Wrote 40+ Pytest unit tests, increasing code coverage from 32% to 90%.
- Implemented structured JSON logging with trace IDs, reducing incident triage time by about 40%.
- Refactored existing codebase, enhancing readability, performance, and maintainability.

Academic Support – TA & Tutor

September 2024 – May 2025

City University of New York, College of Staten Island

Staten Island, NY

- Guided 25+ students per lab in debugging and mastering Python, Java, JavaScript, and C++, improving lab success rates by 20%.
- Tutored 30+ students weekly in algorithms, data structures, and math fundamentals; developed practice sets and review checklists that improved exam performance.

Software Developer Intern

January 2024 – May 2024

Research Foundation of The City University of New York

Queens, NY

- Built an internship discovery web app (React, Next.js, Node.js, OpenAI API) by structuring postings into normalized fields and adding keyword filters to surface relevant results.
- Added sorting and categorization features to make browsing internships more efficient.
- Collaborated with researchers on computer science outreach projects and led development efforts to improve internship matchmaking.

PROJECTS

Interview Coach | *JavaScript, Express.js, OpenAI API, MongoDB, Render*

September 2025

- Built a voice-enabled interview prep app with real-time NLP keyword detection and AI scoring feedback.
- Engineered structured performance reports highlighting strengths, missed concepts, and improvement paths.
- Prototyped onboarding workflow (role, level, interview type) to tailor Q&A realism.
- Integrated resume parser to generate role-specific interview prompts.

Guidance Hub | *JavaScript, Express.js, OpenAI API, MongoDB, Render*

April 2025

- Designed a personalized AI guidance platform producing context-aware advice tuned to user preferences.
- Implemented secure authentication + session management with validation and rate-limits, ensuring privacy and reliability.
- Streamlined database interactions to support smooth response times during concurrent user sessions.

PROFESSIONAL DEVELOPMENT

Google Software Engineering Program (G-SWEP)

February 2025 – May 2025

Google

Manhattan, NY

- Mentored by Google engineer; strengthened skills in algorithms, system design, and coding efficiency.
- Gained exposure to system design principles through mentor-led workshops and coding reviews.