

Eric Zwierzynski

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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, Express.js

Databases: PostgreSQL, MongoDB, MySQL

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

EXPERIENCE

Software Developer Intern

May 2025 – Present

GeoComm

Remote

- Contributed to backend development using Python, supporting public safety GIS applications designed for emergency response systems.
- Developed custom Airflow DAGs automating recurring workflows, reducing manual tasks by 30%.
- Wrote 40+ Pytest unit cases, increasing code coverage from 32% to 90%
- Implemented structured logging, reducing incident triage time by 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%.
- Provided individualized tutoring in Mathematics and CS fundamentals, boosting grades for 30+ weekly students.

Project Manager Intern

May 2024 – August 2024

JRM Construction Management

Manhattan, NY

- Optimized project workflows and documentation, reducing team delays by 25%.
- Facilitated regular stakeholder meetings to maintain clear alignment throughout project lifecycles.

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), enhancing internship-match relevance significantly.
- Integrated intelligent search and recommendation features to assist students in discovering relevant internships.
- Collaborated with researchers on computer science outreach projects and led development efforts to improve internship matchmaking.

PROJECTS

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

April 2025

- Developed a conversational interface that guides users through a personalized advice journey, offering tailored insights for self-reflection and decision-making with dynamic question generation based on their preferences.
- Implemented secure OAuth-based user authentication and personalized advice dashboards.
- Optimized back-end logic with MongoDB for efficient, seamless storage and retrieval of personalized user data.

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.
- Completed technical workshops and mock interviews focused on scalable systems and efficient problem-solving.