

Eric Zwierzynski

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EDUCATION

City University of New York, College of Staten Island

May 2025

Bachelor of Science in Computer Science | GPA: 3.65/4.00

Staten Island, NY

- **Relevant Coursework:** Artificial Intelligence, Software Engineering, Analysis of Algorithms, Internet Data Communications and Security, Database Systems, Object Oriented Software Design, Web Development
- **Certifications:** CodePath: Cybersecurity, CodePath: TIP, Scrimba: The Front-End Developer Career Path

EXPERIENCE

Computer Science Teaching Assistant

January 2025 – Present

City University of New York, College of Staten Island

Staten Island, NY

- Supported professor in guiding 25+ students per lab to debug code and grasp technical skills.
- Resolved coding errors, enhancing lab success 20% with precise debugging and concise guidance.

Mathematics and Computer Science Tutor

September 2024 – Present

City University of New York, College of Staten Island

Staten Island, NY

- Conducted one-on-one and group tutoring in Mathematics and Computer Science, covering calculus, algebra, data structures, and programming languages (Python, Java, JavaScript, C++).
- Designed individualized learning strategies to address unique student challenges, improving comprehension and grades for 30+ students a week.

Project Manager Intern

May 2024 – August 2024

JRM Construction Management

Manhattan, NY

- Coordinated project workflows using Procore, ensuring on-time delivery and compliance with budget goals.
- Streamlined team communication by introducing efficient documentation practices, cutting delays by 25%.

PROFESSIONAL DEVELOPMENT

Google Software Engineering Program (G-SWEP)

February 2025 – Present

Google

Manhattan, NY

- Received guidance from a Google engineering mentor on advanced problem-solving, system design, and real-world software engineering best practices.
- Enhanced proficiency in algorithms, data structures, and coding efficiency through technical workshops and mock interviews for large-scale applications.

Undergraduate Research Assistant

February 2024 – May 2024

Queens College

Queens, NY

- Produced engaging content and developed a website to simplify computer science for non-technical audiences.
- Supported a research team in advancing public knowledge of computer science through [collaborative projects](#).

PROJECTS

Guidance Hub | [GitHub Link](#) | *JavaScript, Express.js, OpenAI API, MongoDB, Render*

February 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 Google OAuth authentication system and built a comprehensive user dashboard for viewing personalized advice history.
- Optimized back-end logic with MongoDB for efficient, seamless storage and retrieval of personalized user data.

Stock Fetcher | [GitHub Link](#) | *HTML, CSS, PHP, MySQL, Docker*

November 2024

- Created a tool to fetch and display real-time stock data, improving user access to market insights.
- Linked a PHP back-end with an API and database, deploying via Docker for reliable performance.

TECHNICAL SKILLS

Programming Languages: Python, JavaScript, Java, C/C++, SQL, PHP, HTML, CSS

Technologies: React, Node.js, Express.js, PostgreSQL, MongoDB, MySQL, JavaFX, Java Swing

Developer Tools: Git/GitHub, Linux, Docker, Microsoft Visual Studio, Postman, Figma