

# Gia Huy Huynh

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## EDUCATION

### Stockton University

*Bachelor of Science in Computer Science, Minor in Mathematics*

Galloway, NJ

*Expected December 2026*

- GPA: 3.92

**Relevant coursework:** Software Engineering, Database Systems, Data Structures and Algorithms, Computer Networking Principles, Discrete Mathematics, Statistics

## EXPERIENCE

### Computer Science and Math Tutor

Sep 2025 – Present

*Stockton University*

*Galloway, NJ*

- Tutored over **20** students across programming and mathematics courses, providing support to strengthen problem-solving skills.
- Helped students develop problem-solving strategies and personalized study plans, improving course grades by an average of **20%**.
- Reviewed student code and provided feedback on readability, structure, and best programming practices.

### Undergraduate Research Assistant

Feb 2025 – Present

*Stockton University*

*Galloway, NJ*

- Developed Python automation tools to process over **300k+** medical concepts, reduced manual data extraction time by **80%**.
- Optimized graph data structures to build medical terminology networks and perform traversal for identifying relationships between clinical concepts.
- Built backend components that leverage medical terminologies to improve accuracy across healthcare data systems.

## PROJECTS

### ClimbEd | *React, TypeScript, Tailwind, Express, SQLite, Gemini API*

- Built an adaptive learning platform for neurodivergent learners using **React and Tailwind**, enabling rapid development of dynamic and accessible user interfaces.
- Implemented **6+ RESTful API** endpoints using **Express and SQLite** to support authentication, progress tracking, and course content management.
- Integrated **Gemini API** to generate personalized study plans and quizzes based on user performance metrics, enhancing learning adaptability.
- Earned **Best Use of Gemini API** at OwlHacks - Fall 2025 among **48** teams.

### Vargas Home Services Employees' Portal | *HTML, CSS, JavaScript, Flask, PostgreSQL*

- Collaborated with a team of **5** to design and implement a full-stack application supporting customer scheduling and an employee management portal.
- Developed **12+ RESTful APIs** using **Flask** for scheduling workflow management, optimizing database queries to reduce execution time by **25%**.
- Designed and normalized a **PostgreSQL** database with **11+** tables to manage customers, appointments, services, and financial records.
- Implemented an automated notification system using the **Gmail API**, delivering **200+** booking alerts to employees and customers.

## TECHNICAL SKILLS

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

**Frameworks & Libraries:** React, Node, Express, Tailwind

**Databases:** PostgreSQL, MySQL, SQLite, MongoDB

**Developer Tools:** Git, GitHub, Postman, VS Code, PyCharm