

# Sthiber Guevara

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## EDUCATION

### University of Houston

GPA: 3.93

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

*Expected Dec 2025*

**Relevant Coursework:** Algorithms and Data Structures, OOP, Database Systems, Data Science, Machine Learning, Operating Systems, Computer Networks, Discrete Math, Statistics

## EXPERIENCE

### ConocoPhillips Computer Science Learning Center

Jan 2025 – Present

*Tutor*

*Houston, TX*

- Tutoring over **40** students in programming and data structures, strengthening coding and problem-solving skills.
- Helped students develop algorithmic thinking and problem-solving skills, contributing to a **20%** GPA increase.
- Providing one-on-one support for homework and labs, reducing error rates by **33%** and guiding students to succeed in their coursework.

### Computer Science Club Tutor

Aug 2024 – Present

*CougarCS - Tutor Scholarship Recipient*

*Houston, TX*

- Awarded CougarCS Tutor Scholarship for outstanding contributions to tutoring and workshops.
- Co-led workshops helping up to **50** students prepare for exams.
- Providing feedback for data structure assignments coded in **C++**, enhancing students' understanding and reducing error rates by **25%**.

## PROJECTS

### Swipe Coach | *React, TypeScript, Flask, MongoDB, Auth0, Gemini, Google Cloud, Tailwind, Docker*

- Built Smart Swipe engine that recommends the best card in real time, < **150 ms latency**, improving projected cashback by **8% per purchase**.
- Shipped spend-based card recommendation system that analyzed **1000+** transactions and surfaced **top 3** new cards, lifting projected annual rewards by **\$250 per user**.
- Powered a budgeting assistant with **Gemini API** that reads transactions, explains spend spikes, and cut over-budget months by **25%**.
- Earned **Top 5 overall project** and **Capital One Best Financial Hack** at HackRice 15 among **86** teams.

### Volentra | *React, Node, Express, MySQL, Tailwind, Docker, Jest*

- Built a full-stack volunteer platform with a responsive UI using **React** and **Tailwind**, focusing on usability across all devices.
- Designed and containerized the frontend, backend, and database using **Docker** to ensure consistent deployment.
- Implemented **12+ RESTful API** endpoints and achieved **90%+** unit test coverage with **Jest**, improving backend reliability.
- Applied **Agile methodology** and **Git workflows** to coordinate development and continuous integration.

### Decluttr | *Python, Tkinter, ttkbootstrap, PyInstaller*

- Developed a desktop automation tool using **Python**, **Tkinter**, and **ttkbootstrap** to organize files based on user-selected types and folders.
- Applied **object-oriented programming (OOP)** principles to structure the application using modular and reusable classes.
- Implemented GUI features for directory selection, file filtering, and destination setup to streamline automation.

## TECHNICAL SKILLS

**Languages:** Python, C++, Java, JavaScript, TypeScript, SQL, LaTeX, R, Bash

**Frameworks/Libraries:** React, Tailwind, Node, Express, Flask, Jest, MongoDB

**DevOps:** Azure, Amazon Web Services (AWS), Google Cloud, Git, Postman, Docker, CI/CD