

# CHRISTOFER LAYGO

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## EDUCATION

### University of Houston

Houston, TX

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

*December 2025*

• **Dean's List:** Fall 2022, Spring 2023, Fall 2023, Spring 2024

GPA: 3.93/4.00

• **Relevant Coursework:** Data Structures & Algorithms, Database Systems, Operating Systems, Automata

## EXPERIENCE AND LEADERSHIP

### University of Houston | *Teaching Assistant for Programming & Data Structures*

August 2024 – Present

- Enhanced student understanding by tutoring **50+** students in data structures, resulting in improved performance.
- Organized **10+** labs and lectures, creating structured learning opportunities that increased engagement.
- Graded **100+** assignments with feedback that boosted student performance by **15%**.
- Automated grading by running scripts on assignments, improving efficiency by **30%** and reducing feedback time.

### CougarCS (CCS) | *Student Tutor*

August 2023 – May 2024

- Mentored a group of **15+** individuals weekly while tackling topics like algorithms and data structure optimization.
- Launched a C++ resource hub accessed by **50+** students, increasing independent learning by **30%**.
- Attended **5+** workshops and networking events to expand industry knowledge and connections.
- Collaborated with tutors to refine resources, improving quality and clarity by **15%**.

### Society for Asian Students and Engineers (SASE) | *Active Member*

August 2023 – Present

- Strengthened networking skills and expanded industry knowledge by attending **10+** professional workshops.
- Built connections with mentors and mentees in a mentorship program, improving career planning by **25%**.
- Engaged in **1-on-1** skill development, gaining actionable insights into industry trends.
- Volunteered in community activities, supporting local initiatives and assisting residents in need.

### H-E-B | *Personal Shopper*

October 2022 – August 2024

- Resolved **100+** customer inquiries, increasing satisfaction by **35%** by reducing purchase barriers.
- Leveraged mobile apps and technology to streamline shopping tasks, ensuring high accuracy in order fulfillment.
- Achieved a UPH average of **150**, exceeding standards and boosting department efficiency.
- Resolved **95%** of unexpected issues within **15 minutes**, minimizing disruptions by **30%**.

## PROJECTS

### Enchanted Escape | *Unity, C#*

August 2024 – Present

- Collaborated in a team of **9** to build a 2D Unity game with **3** levels, featuring puzzles and dynamic gameplay.
- Designed **5+** unique environments and characters, implementing player controls and progressive difficulty.
- Created a cohesive storyline, integrating audio and visual assets for seamless transitions and player immersion.
- Supported team with animation and coding tasks to align visual elements and gameplay for a unified experience.

### Achilles | *React.js, SQL, Vanilla Node.js, DBEaver, AWS, Vercel, Git*

January 2024 – May 2024

- Developed a responsive point-of-sale website with React for the front end and Node.js for server handling.
- Integrated front and back end using PHP, managing data with SQL via DBEaver, resulting in optimized data flow.
- Deployed on AWS and Vercel, achieving **100%** uptime with containerized scalability and performance monitoring.
- Automated inventory management with **4** triggers to handle inventory monitoring and replenishment efficiency.

### Tamagotchi Project | *C++*

June 2023 – May 2023

- Developed a pet simulation in C++ using **5+** classes and **10+** files, with inheritance to model pet behaviors.
- Implemented player interactions, such as feeding and playing, to enhance gameplay engagement.
- Optimized performance by resolving **30+** bugs, improving overall gameplay mechanics by **40%**.
- Reinforced C++ skills through hands-on coding, building a solid foundation in programming fundamentals.

## TECHNICAL SKILLS

**Languages:** Python, JavaScript, SQL, C, C#, C++, HTML, CSS, PHP

**Frameworks & Libraries:** React, Node.js

**Developer Tools:** AWS, Azure DevOps, Git, MySQL, Vercel, VS Professional, VSCode, Arduino, Microsoft SQL Server