REEM ALKHALILY

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Education

University of Houston **August 2021 – May 2025**
Bachelor of Science in Computer Science, Minor in Mathematics, *Houston, TX | **GPA:** 3.63*

Technical Skills

Languages: Python, C++, JavaScript, HTML/CSS, SQL, Swift, R
Frameworks and Tools: React.js, Node.js, Express, Linux, Postman, Git, Tailwind CSS
Platform: VS Code, Jupyter Notebook, GitHub, Unity, PSQL

Experience

NASA **May 2024 – Present**
Software Engineer Intern *Houston, TX*
- Developed a network configuration automation tool with **Python** and **pyQT**, speeding the process by **30%**.
- Designed a relational database using **SQLite** to improve data accessing.
- Utilized **Pandas** and **PyQt** to process and analyze Wireshark capture data, generating visual graphs for data insights.

University of Houston **January 2024 – Present**
Teaching Assistant *Houston, TX*
- Led weekly lab sessions to reinforce programming concepts and assist **120** undergraduate students with assignments.
- Balanced TA duties and coursework, dedicating **5** hours weekly to support students in an intro programming course.
- Provided personalized assistance during office hours, resolving student doubts and debugging code.

Projects

Piplup Travel | *HTML, Tailwind CSS, React, Github* **February 2024**
- Developed a full-stack travel booking app using React, Node.js, and Express, enabling users to search flights.
- Integrated flight APIs for real-time data, enhancing user experience with React frontend and MongoDB backend.
- Engineered backend logic for seamless data flow between the frontend and external APIs.

Museuma | *React, Node.js, Tailwind CSS, MySQL, Postman, Github* **May 2024**
- Developed a database system for an art museum, managing **25+** art pieces using React, Node.js, and MySQL.
- Implemented the backend using Node.js, integrating it with the React-based frontend to manage and display art pieces.
- Conducted thorough API testing with Postman to ensure reliable data interactions and integration.

Leadership

Computer Science Girls **May 2024 – Present**
President *Houston, TX*
- Led a team of **8** officers, supporting **133+** students through bi-weekly competitions focused on data structures and algorithms.
- Adapted instructional strategies to diverse learning styles, improving students' academic and professional skills.
- Organized workshops covering resume revamping, elevator pitches, and speed mock technical interviews.

Computer Science Girls **October 2023 - May 2024**
Mentorship Chair *Houston, TX*
- Facilitated a mentorship program for **44+** participants in the Computer Science Girls Club.
- Organized a semester kick-off event, fostering community among mentors and mentees.
- Managed program logistics, serving as the main point of contact for participants.

Computer Science Girls **August 2023 - December 2023**
Professional Development Committee Member *Houston, TX*
- Organized **2-3** monthly workshops, helping **63+** students develop foundational software skills.
- Created workshop content with coding exercises and speaking modules for **76+** participants of varying skill levels.
- Coordinated with professionals and faculty to secure guest speakers, delivering real-world insights to **76+** students per meeting.