

Leon Lam

Dallas, TX 75252 • (346) 464-0532 • Leonlam34@gmail.com • <https://www.linkedin.com/in/leon-m-lam/>

Education

Bachelor of Science in Computer Science
The University of Texas at Dallas, Richardson, TX

August 2019 - May 2024

Technical Skills

Programming languages: C++, Java, Python, Prolog, PHP, HTML, CSS, JavaScript

Tools: Git, Docker, Visual Studio Code, MySQL, React

Professional Experience

Frontend Developer | Global IT Solutions

October - Present

- Contributed to the design and development of the frontend for an SAP Business Technology Platform (BTP) invoice automation solution.
- Utilized SAP Build Apps to create intuitive user interfaces and implement key functionalities, improving user experience and automating invoice processing workflows.

Lead teacher | Rex Academy Carrollton, TX

June 2021 - Present

- Guided Elementary students through the basics of Scratch programming, including sequencing, loops, events, and conditionals, resulting in a 30% increase in student engagement during lessons.
- Generated and executed curriculum to introduce high school students to fundamental computer science concepts using Python and Java programming languages, resulting in an increased student retention rate.

Projects

Catafun, Cataboom (UTD capstone)

January 2024 - May 2024

Technologies: JavaScript, SQL, Python,

- Streamlined prototype to efficiently analyze natural language inputs, translating them into sophisticated database queries, and subsequently delivering results resulting in a hour long process taking only 5 minutes to complete.
- Led a versatile team of six through cross-functional collaboration, enhancing communication and adaptability to achieve project goals. Played a pivotal role in exceeding project targets by 50% through cohesive teamwork and inventive problem-solving.

Policy Pioneer (24 hours), Hack UTD

November 2023

Technologies: HTML, CSS, Python,

- Developed a full-stack application for State Farm, enhancing and modernizing their insurance quote estimation process. Leveraged frontend technologies for a user-friendly interface. Implemented Flask and Python on the backend for a robust and efficient system, leading in a reduction in processing error
- Spearheaded cross-functional teamwork within a ingenious team of 4, fostering effective communication and adaptability to drive project success; instrumental in surpassing project objectives through streamlined collaboration and innovative solutions.

Artificial Intelligence Tic Tac Toe algorithm, UT Dallas

October 2023 - November 2023

Technologies: Prolog, Java

- Orchestrated the creation of an integrated Artificial Intelligence system leveraging Prolog, developing strategic algorithms that showcased exceptional strategic reasoning abilities. The cohesive approach resulted in an intelligent system, leading to an improvement in decision-making effectiveness and a 15% reduction in processing time.

Leadership and Involvement

Volunteer, Southwest Vipassana Meditation Center

November 2012 - Present

- Guided volunteers around the property to the correct location as needed.

Society of Asian Scientist and Engineers, UT Dallas

August 2023 - May 2023

- Served as an officer in the events committee of the Society of Asian Scientists and Engineers (SASE), planning and executing engaging events for a diverse membership of 50+, securing sponsorships from two companies and partnerships with two clubs.
- Streamlined event logistics by addressing challenges and mitigating risks, achieving a 20% reduction in setup time while ensuring a seamless and enjoyable experience for attendees.