

THANG TRUONG

truongthoithang@gmail.com | (832) 298-4421 | LinkedIn.com/in/truongthoithang | [Personal Website](#)

EDUCATION

The University of Texas at Austin

May 2025

Bachelor of Science in Informatics

- **GPA:** 4.0/4.0
- **Relevant Coursework:** Software Design (Python), Element of Data Science (R and Python), Data Engineering (SQL), Database Design (SQL), Statistics (R)
- **Certificates:** Elements of Computing, Scientific Computation and Data Sciences

EXPERIENCE

Liberal Arts Instructional Technology Services

Austin, TX

Junior Software Developer

Aug 2022 – Present

- Execute 15 projects to completion, employing over 10 tools and frameworks to craft powerful web applications
- Revamp 3 websites, boosting user engagement and retention rates by an impressive 10%
- Spearhead a data analysis initiative, producing 20 impactful **Tableau** data-driven graphs and a comprehensive dashboard
- Articulate project expectations and execution seamlessly to 3 supervisors and 10 clients
- Mentor and guide 2 Web Student Technology Assistant, facilitating their onboarding and providing support for daily tasks

Claudius Legal Intelligence Inc.

Remote

Front End Software Engineering Intern

June 2023 – Aug 2023

- Orchestrated the overhaul of 4 pivotal web pages using **Figma**, handpicking captivating themes and typography
- Executed the designs into functional prototypes seamlessly integrating **Bootstrap** and **Django**
- Streamlined graph implementation time by 25 minutes through the implementation of efficient and polished functions

PROJECTS

RoboDog Therapy – HackTX Analog Devices Winner | Python, Llama 2, OpenCV, DeepFace | [Link](#)

Oct 2023

- Led the software development initiative to construct a project simulating a robotic therapy dog with an embedded system
- Supervised 3 key aspects that encompass image processing, emotion detection, and large language model
- Engineered a resilient **HTTP server** for efficient data transfer of five values, enabling real-time monitoring of the robotic dog
- Employed **Streamlit** to craft a user-friendly interface that received positive feedback from 5 judges

Personalized Job Recommendations | Python, TF-IDF, Streamlit, NLTK | [Link](#)

May 2023

- Scraped the web to amass over 500 job opportunities with 5 columns: descriptions, titles, date, location, and link
- Orchestrated thorough data cleaning including eliminating stop words, lemmatizing, and vectorizing sentences
- Applied two widely recognized NLP techniques, **TF-IDF** and **cosine similarity**, to align resumes with job descriptions
- Maximized efficiency of jobs by 20% and reduced job search time for users by 30%

Telco Customer Churn IBM dataset | Python, Matplotlib, Seaborn, Scikit-learn, Pandas | [Link](#)

March 2023

- Efficiently manipulated 32 data columns and implemented one-hot encoding across 16 categorical columns
- The best performing model **Random Forest** attained **0.79 accuracy** and **saved \$225911 in revenue**.
- Leveraged **LIME** for insightful feature analysis of the model

Project Z – Project Posting Full Stack Application | Vue, Laravel PHP, HTML, CSS | [Link](#)

Feb 2023

- Engineered the seamless user experience across 4 pages, including the home, main page, project creation and edit pages
- Constructed a robust backend featuring 4 protected **API** calls for signing up, logging users, creating and deleting projects
- Established **SQLite database** with 3 structured tables from scratch to store user and project data

HONORS

HackTX Analog Devices First Place – Selected out of 400 applicants

Fall 2023

University Honors (All semesters) – Dean's List

Fall 2021 - Fall 2023

Winner of Congressional App Challenge for Texas 2nd District – Selected out of 100 applicants

Dec 2019

TECHNICAL SKILLS

Programming languages: Python, R, HTML, CSS, Javascript, SQL, Swift

Tools: Docker, Tableau, Jupyter Notebook, RStudio, Visual Studio Code, Git/GitHub

Frameworks/Libraries: Bootstrap, React, Vue.js, OpenCV, DeepFace, LLM, Node.js

Quantitative skills: Agile, ETL, OOPs, APIs, Hypothesis Testing, Data Storytelling, Supervised and Unsupervised learning