

Linh Tran

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Object

In my pursuit of opportunities, be it through internships, training programs, or other avenues, as a Computer Science major, I aim to apply my programming skills practically and collaboratively. I am enthusiastic about contributing to real-world projects, learning from experienced professionals, and gaining valuable hands-on experience that will significantly contribute to my growth in the field of computer science.

Education

University of North Texas | Denton, TX | 2021 – 2025 | B.S. in Computer Science | GPA: 3.9/4.0

Relevant Courses: C/C++, Computer Organization, Algorithms and Data Structures, System Programming, Fundamental of Database Systems, Software Engineering (JUnit / UNIT testing)

Skills

- C/C++ (advanced), SQL (intermediate), HTML, CSS and JavaScript (beginner), Bootstrap (beginner), Python - Data Analytics (beginner), Assembly Language (LEGV8, and ARMv8), Linux, and Github
- Microsoft Office Specialist Expert for Office World 2016, Office Excel 2016, Office PowerPoint 2016, and Office Word 2016 Expert

Academic Project

Software Engineering – Indoor-Navigation Website (January 2024 – present)

- Led project planning, creating comprehensive documents for software requirements and design, incorporating ER diagrams, class diagrams, and sequence diagrams.
- Utilized Figma to design an intuitive User Interface to ensure an optimal user experience.
- Employed open-source tools, QGIS, Georeference, and OpenStreetMap, for creating layers and extracting GeoJSON data, enhancing geospatial functionality.
- Conducted research on indoor-navigation maps and algorithms for routing optimization contributes to project innovation.
- Developed the web application using HTML, CSS (Bootstrap 5), and JavaScript, integrating OpenLayers for dynamic map rendering.

Principle of System Programming – Custom Linux Shell (August – December 2023)

- Implemented signal handling to terminate child processes while retaining control in the main shell environment.
- Designed a command history feature using a circular queue for storing and accessing executed commands.
- Collaborated with team members to debug and optimize functions such as piping, input/output redirection, and cd command.
- Improved knowledge of Linux system programming, shell scripting, and process management, including fork(), child processes, and parent processes

Academic Experience

The Global Tech Experience – Data Analytic Tracks Training (May – July 2023)

- Operated SQL queries to extract and manipulate data.
- Analyzed, visualized, and reported data findings using Python and Jupyter Notebook.
- Communicated results of data analysis by creating visualization in Tableau.
- Analyzed user behavior and motivation across various industries and scenarios.

The Global Tech Experience – Coding for Web Track Training (May – July 2022)

- Developed and customize websites using HTML and CSS.
- Implemented Bootstrap5 framework for efficient website creation.
- Applied foundational JavaScript skills to enhance website functionality.
- Constructed a matching game using HTML, CSS, and JavaScript.