

MONIQUE TRAN

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EDUCATION

The University of Texas at Austin

Bachelor of Science in Computer Science

Relevant Coursework: Data Structures, Discrete Math, Computer Architecture, Algorithms, Linear Algebra

May 2025

GPA: 3.87

Antonian College Preparatory High School

Graduated highest-ranking student

May 2021

SKILLS

Programming Languages

Java, Linux, C, R

Tools/Platforms

GitHub, Eclipse, Visual Studio Code

Languages

Proficient in Spanish

PROJECTS

Clicky Squares – WiCS Hacks 2023 General Project Submission

- Designed and tested web-browser application similar to Minesweeper using JSON, HTML, and Javascript
- Included color variety to engage client and adjustable score range for differing difficulty levels
- Researched different HTML and CSS designs to properly showcase project features

Huffman Compressor and Decompressor

- Created a lossless data compression algorithm using binary trees and an original priority queue
- Decompressed data through reconstruction of an encoding scheme derived from character frequency
- Implemented input and output streams to read and write bits from given file
- Allowed for multiple types of encoding schemes (binary tree, array, or user's choice)

Original Linked List Class

- Established a series of doubly linked nodes without using Java class
- Implemented nested iterator to optimize time efficiency in all class operations
- Adopted use of nested node class to ensure encapsulation

EXPERIENCE

Shift Lead/Server at Hotaru Sushi & Hibachi, San Antonio, Texas

June 2022 – August 2022

- Led orientation for new employees in serving, hosting, bussing, and running meals
- Created welcoming environment by establishing rapport with customers
- Developed exceptional team building skills by resolving interpersonal tensions with colleagues

Barista at Arte, San Antonio, Texas

June 2021 – August 2021

- Trained new hires on expediting orders, serving etiquette, and beverage preparation
- Proficient in solving customer issues and providing excellent service
- Excelled and adapted as needed in a high-volume, fast-paced work environment

STUDENT INVOLVEMENT

Association for Computing Machinery

August 2022 – Present

Student Member

- Attend meetings with guest speakers to learn about digital ethics and right-to-repair legislation
- Network with representatives from tech companies and obtain career advice from corporate executives
- Examine contemporary computer engineering and product design with peers bimonthly

Vietnamese Students Association

August 2021 – Present

Student Member and Intern

- Meet bimonthly to establish connections and disseminate information about Vietnamese culture
- Organize fundraising events to raise money for external events and community engagement
- Create, market, and sell merchandise through weekly volunteer tabling