

Ethan Nguyen

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EDUCATION

George Mason University

Bachelor of Science in Computer Science | GPA: 3.40

Fairfax, VA

August 2021–Present

- **Relevant Coursework:** Object Oriented Programming, Data Structures, Formal Methods/Models

George Mason University Korea

Global Gateway Program

Incheon, KR

February–June 2022

- Adapted quickly to Korean culture and language
- Learned how to build connections in an unfamiliar environment

PROJECTS

Kruskal's Algorithm Simulator

November 2023

Java Developer

- Developed a Java-based Kruskal's Algorithm Simulator to visualize graph algorithms and minimum spanning trees.
- Implemented graph functionalities using Java Collections Framework and integrated JUNG library for graph visualization.

Blockchain Simulator

October 2023

Java Developer

- Developed a simplified blockchain structure to simulate cryptocurrency transaction processing and prioritized transactions by fees.
- Developed custom singly linked list, priority queue, and Merkle tree.
- Implemented cryptographic hash functions for transaction verification within blocks.

Personal Portfolio Website

October 2023

<https://gthan.com>

- Developed a responsive personal portfolio website from the ground up, showcasing my technical projects, professional information, and coding skills.
- Utilized HTML, CSS, JavaScript to implement interactive features, and GitHub for version control and deployment.

EXPERIENCE

Tea-Do

Fairfax, VA

Barista and Cashier

August 2022–February 2023

- Offered exemplary customer service to ensure each customer is satisfied with their experience.
- Collaborated with team members to guarantee orders were fulfilled and received in a timely manner.
- Maintained inventory by restocking supplies on a weekly basis.

Business Entrepreneur

Buying and Selling

January 2018–December 2021

- Efficiently managed inventory of products using Excel.
- Had constant flow of units in and out of storage and 500+ sales across multiple platforms.
- Proficiently understood all aspects of shipping, including cost-benefit analysis of shipping options to determine cheapest and fastest options.

TECHNICAL SKILLS

Programming: Java, C, Python, Javascript, Git, Unix, HTML, CSS

Tools: Git/Github, MATLAB, G-Suite, Microsoft Office