Tuong Luu

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Qualifications

Languages: Java, Python, C/C++, JavaScript/TypeScript, HTML, CSS
Developer Tools: Git, GitHub, VS Code, IntelliJ, Eclipse, Nodejs, Vite, PowerShell, Neovim
Libraries: Java AWT, Java Swing, ReactJS, pandas

Experience

Programming Tutoring Nov. 2022 – Jun. 2023
Forest Height Collegiate Institute *Kitchener, Ontario*

- Guided fellow classmates through fundamental programming concepts in **Java** such as **debugging**, **OOP**, etc.
- Taught students programming using simplified analogies and examples
- Fostered practical problem solving skills through explaining and resolving bugs

Cashier – Waiter Sep. 2021 – Jun. 2023
Pho Sunrise *Kitchener, Ontario*

- Demonstrated **communication skills** through effective customer interactions
- Effectively handled **high volumes** of customer transaction to ensure smooth customer flow during peak hours
- Being able to work under time and quality pressures

Projects

Personal Website | *HTML, CSS, TypeScript, Vite, Git* | *GitHub* Dec. 2023 – Present

- Developed a responsive portfolio website with **HTML**, **CSS** and **TypeScript**
- Made use of **npm** for efficient package management and development pipeline
- Utilized **Vite** as a web bundler to enhance performance and streamline development workflows, particularly in conjunction with **TypeScript** for improved code quality and maintainability

2D Game | *Java, Javadoc, Git* | *GitHub* Dec. 2022 – Feb. 2023

- Designed and developed a top-down 2D game, demonstrating proficient in game development and a deep level of Java's understanding
- Optimized game performance to efficiently handle over **10,000** entities, showcasing expertise in performance tuning within game development
- Applied **Object-Oriented Programming** principles to streamline and enhance entity development, contributing to the efficiency and maintainability of the game codebase

Sorting Visualizer | *Java, Git* | *GitHub* Nov. 2022 – Dec. 2022

- Developed a real-time **sorting visualizer** in Java, showcasing various sorting algorithms
- Implemented **Bubble Sort**, **Insertion Sort**, **Selection Sort**, **Merge Sort**, and **Quick Sort** for algorithmic diversity
- Utilized Java's graphical capabilities for dynamic and interactive algorithm visualization
- Demonstrated proficiency in Java programming, algorithm implementation, and graphical user interface development

Education

University of Waterloo Waterloo, Ontario
Candidate for Bachelor of Honours Mathematics *Sep. 2023 – Present*