Tuong Luu

(226) 791-2248 | tm2luu@uwaterloo.ca | linkedin.com/in/luut189 | github.com/luut189

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 such as debugging, OOP, etc.
- Taught students programming using simplified analogies and examples
- Fostered practical problem solving skills

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

- Demonstrated communication skills through effective customer interactions
- Effectively handled high volumes of customer transaction as a cashier
- 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
- 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 understanding of Java
- 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*