Sua Kim

Waterloo, Ontario — suakim7514@gmail.com — linkedin.com/in/suakim1105

TECHNICAL SKILLS

Programming Languages: Python, Java, JavaScript, SQL, C, Racket
Software Fundamentals: Data Structures, Algorithms, Object Oriented Programming, Software Development Lifecycle, Debugging, Modular Design
Web Fundamentals: HTML, CSS, JavaScript
Tools and Practices: Git, GitHub, VS Code, Command Line, Linux, Iterative Development

EDUCATION

University of Waterloo — Waterloo, Ontario
Bachelor of Computer Science — GPA: 3.72 / 4.0
Relevant Coursework: Data Structures, Algorithms, Linear Algebra, Discrete Mathematics

PROJECTS

SchoolHub Student Resource Platform — 2024 to 2025
JavaScript, HTML, CSS

- Designed and developed a student focused web platform used by over five hundred students to access school events, clubs, and academic resources, improving the accessibility and organization of previously scattered information
- Built features iteratively by creating prototypes, gathering and incorporating user feedback, and refining implementations to improve usability, clarity, and overall user experience
- Practiced core stages of the software development lifecycle including requirement definition, implementation, testing, debugging, and continuous improvement of existing functionality
- Took ownership of maintaining and enhancing the codebase as requirements evolved, ensuring stability, readability, and ease of future extension

Vocabulary Builder Application — 2025
Python

- Developed a Python based learning application using structured data representations and control flow to dynamically adjust difficulty based on individual user performance
- Designed, tested, and refined progression logic through experimentation and iteration to improve learning effectiveness and ensure consistent behavior across scenarios
- Strengthened problem solving skills by debugging edge cases, tracing program execution, and refining application behavior for correctness and reliability

Personal Study Planner Platform — 2025 to Present
Python, JavaScript

- Designing and implementing a personal productivity tool to organize tasks, deadlines, and academic schedules
- Using the project as a sandbox to experiment with software design decisions, data organization, and iterative feature development
- Applying feedback and self review to continuously refine functionality and code structure

EXPERIENCE & ACTIVITIES

Lifeguard and Swim Instructor — Sep 2023 to Aug 2025
Flamborough Family YMCA

- Worked in high responsibility environments requiring sound decision making, accountability, and clear communication
- Delivered structured instruction to diverse groups, adapting communication style to different learning needs
- Collaborated with team members to maintain safe, reliable, and well coordinated operations

First Flute and Piccolo — Sep 2021 to Jun 2025
Hamilton Philharmonic Youth Orchestra

- Performed in a large ensemble environment requiring discipline, collaboration, and responsiveness to feedback
- Contributed to a shared outcome by maintaining consistent performance quality within a team setting

Badminton Training — 2021 to Present
Independent Competitive Training

- Demonstrated motivation, consistency, and long term commitment through structured training alongside academics

HONORS & AWARDS

- Faculty of Mathematics Entrance Scholarship ($10,000) — 2025
- President's Scholarship of Distinction ($2,000) — 2025
- Governor General's Academic Medal Bronze — 2025
- CEMC Mathematics Contest School Champion Euclid, CSMC, Fermat — 2025

PROFESSIONAL ATTRIBUTES

- Strong desire to learn new technologies and grow through experimentation and hands on development
- Comfortable taking ownership of work while collaborating within high performing teams
- Curious, adaptable, and motivated by continuous improvement