Sua Kim

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TECHNICAL SKILLS

Languages: Python, Java, SQL, JavaScript, Racket, HTML, CSS
Frameworks & Tools: Git, GitHub, Node.js, React, VS Code
Concepts: Data Structures, Algorithms, Programming Paradigms (OOP, Functional)

EDUCATION

University of Waterloo　　　　　　　　　　　　　　　　　　　　　　Waterloo, ON
Bachelor of Computer Science　　　　　　　　　　　　　　　　　　Expected Apr 2030
GPA: 3.7 / 4.0
Relevant Coursework: Data Structures, Algorithm Design, Imperative & Functional Programming, Linear Algebra, Discrete Mathematics

PROJECTS

SchoolHub – Student Resource Platform
JavaScript, HTML, CSS

- Developed a centralized web platform providing students with access to school events, clubs, and academic resources
- Designed modular components to support scalability and long-term feature expansion
- Served over 500+ users by improving accessibility and information discovery

Vocabulary Builder Application
Python

- Built an interactive learning tool that improves vocabulary retention through adaptive difficulty
- Implemented scoring and progression logic to personalize user experience
- Structured codebase for extensibility and maintainability

Personal Study Planner Platform
Python, JavaScript, Data Structures

- Built a lightweight study planning tool inspired by Notion to help students organize tasks, deadlines, and courses
- Implemented task prioritization and scheduling logic using structured data representations
- Designed extensible architecture to support future features such as reminders and progress tracking

EXPERIENCE

Lifeguard & Swim Instructor　　　　　　　　　　　　　　　　Sep 2023 – Aug 2025
Flamborough Family YMCA

- Maintained safety in high-traffic aquatic environments and responded to emergencies
- Delivered structured swim instruction to learners of all ages, from parent-and-toddler programs to adult lessons, emphasizing safety, clear communication, and leadership

First Flute & Piccolo　　　　　　　　　　　　　　　　　　　　　　2021 – 2025
Hamilton Philharmonic Youth Orchestra

- Performed in large ensembles requiring discipline, teamwork, and precision
- Balanced intensive rehearsal schedules with academic commitments

HONORS & AWARDS

- Governor General's Academic Medal (Bronze)
- CEMC Mathematics Contest School Champion (Euclid, CSMC, Fermat)