Daheng Wang

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SUMMARY OF SKILLS AND QUALIFICATIONS

Operating Systems │ Windows • macOS

Applications │ Eclipse • IntelliJ IDEA • Visual Studio Code

Programming │ Python • Java • JavaScript • HTML • CSS

Platforms │ Node.js • Express.js • Jupyter Notebook

Web Technologies │ HTTP • REST • JSON • AJAX

Languages │ English & Chinese (Fluent) • French (Elementary)

EDUCATION

Bachelor of Computer Science – Computer Science Co-op

2027 (Expected)

Concordia University, Montreal, QC

- Member of the Institute for Co-operative Education
- Relevant Courses:
    - Data Structures and Algorithms
    - Object-Oriented Programming II (Java)
    - Web Programming (Front-End, Back-End, and Basic Databases)
    - Principles of Programming Languages (C, Python, Clojure, Erlang)
    - Operating Systems (in progress)
    - Data Analytics (Statistical Modeling, Large Datasets, Machine Learning Fundamentals)

PROJECTS

Python Thread-Safe User Store (Personal Project)

- Implemented a RESTful HTTP API supporting GET, POST, PUT, PATCH, and DELETE operations
- Designed a thread-safe in-memory data store using locks to safely handle concurrent requests

- Built request parsing, JSON validation, and proper HTTP status handling without external frameworks
- Tested endpoints using curl and validated error handling for invalid input and edge cases

Technologies: Python · HTTP · JSON · Threading · Locks

Python TCP Socket Server (Independent Project)

- Built a custom raw TCP client–server application using Python sockets
- Designed an application-level protocol on top of TCP to handle structured client requests and server responses
- Implemented input validation, timeouts, and error handling to improve robustness

Technologies: Python · TCP Sockets · Networking · Client–Server Architecture

Personal Portfolio Website (Personal Project)

- Designed and built a personal portfolio website to showcase projects, skills, and resume
- Implemented responsive layouts using HTML, CSS, and JavaScript for desktop view
- Structured content sections for projects, education, and contact information
- Deployed the website using GitHub Pages for public access

Technologies: HTML · CSS · JavaScript · GitHub Pages

WORK EXPERIENCE

Experience
- Customer-facing roles demonstrating reliability, teamwork, and communication