Sicheng Ouyang

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Education

University of Waterloo , Canada
Bachelor of Software Engineering (2025-2030)
Relevant Courses: Data Structures, Algorithms, Operating Systems, AI Fundamentals

Wuhan Britan-China School, China   **GPA: 4.81/5.00**
High School Diploma (2022-2025)
Relevant Courses: Mathematics, Physics, Computer Science, Further Mathematics

Skills

- **Programming Languages:** Python, Java, C++, HTML/CSS, JavaScript

- **Tools/Frameworks:** Git, React Native, LaTeX, MySQL, WordPress, Microsoft Office Suite

- **Languages:** English (Fluent), Mandarin Chinese (Native)

Experience

Co-Founder   *Sep 2023 – Present*
Advanced A-Level Study Website · Self-employed   China · Wuhan
- Built and managed a study website using WordPress supporting students prep prepare examinations, received over 1,000 daily visitors
- Uploaded notes, hosted school lectures, and maintained server backend using MySQL, PHP, and WordPress
WordPress Design, Databases, SEO, Online Teaching

JavaScript Developer Intern   *Jul 2023 – Aug 2023*
Maps Uncharted · Internship   China · Wuhan
- Developed an Map that visualizes the places that visitors have visited using React Native and Google Maps API
- Integrated backend with Google Maps API to store and retrieve user data
- Optimized performance by combining circles to simple polygons
JavaScript, React Native

Data Collector Intern   *Jul 2023 – Aug 2023*
Wuhan University of Technology · Internship   China · Wuhan
- Conducted handwriting recognition using machine learning
- Converted handwritten Chinese into fonts for psychology experiments
- Collected data and compiled data sets for training
- Deploied local AI models for dean of school of physical education
Handwriting Recognition, Machine Learning

Projects

Obsidian Oreo Theme Developer   *Jun 2024 – Jan 2025*
Self-directed project   China · Wuhan
- Designed a custom Oreo-themed Obsidian theme using CSS and HTML, over 2,000 downloads on obsidian
- ⬙ Project Page
CSS, HTML, Markdown

Participant – MTX AI Music Video Project   *Jul 2024 – Aug 2024*
Tencent Music Entertainment Group   China · Shenzhen
- Researched speech synthesis and AI algorithms to simulate vocals
- Combined models and modified parameters of one model to fit with the other model
- Produced an AI-generated music video to raise Alzheimer's awareness
- 🎵 Music
Deep Learning, Speech Synthesis, Public Service

Leadership

Student Union – Event Organizer & Treasurer   *Sep 2022 – Sep 2024*
- Organized campus events with peers, including the school's first student-led fashion show
- Collected feedback from students and communicated concerns to school leadership

Advalevel Club - Lecturer & Starter   *Sep 2023 – Apr 2025*
- Hosted lectures and taught courses on data structures, algorithms, and operating systems
- Partnered with school to prepare G10-G12 students for mid-term and final examinations