

# Sicheng Ouyang

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## Education

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**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

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- **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

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### 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

- Deployed local AI models for dean of school of physical education

*Handwriting Recognition, Machine Learning*

## Projects

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### 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

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### 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