

WILLIAM WEI

Auteur, Builder, Creator, Developer, Educator.

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EXPERIENCE

TikTok

R&D Software Engineer

Sydney, Australia

Mar 2025 – Ongoing

- GoLang and Python Software engineer responsible for TikTok livestream moderation infrastructures
- Built disaster recovery protocols on MongoDB content moderation databases with buffer Kafka message queues, cutting incident response time to within 1 minute and guaranteeing 100% data restoration
- Optimised database update workflows by implementing offline database caching and restructuring RPC methods, reducing database overhead by 70% and CPU load by 20%
- Developed livestream punishment source-tracing in multi-round content moderation, improving moderation decision consistency and reducing false-positive punishments
- Collaborated with ML teams to implement and maintain FaaS streamlines for model training and A/B testing

Monash University

Teaching Associate

Melbourne, Australia

Jul 2023 – Ongoing

- Classroom academic for [university course](#) on Python programming, data structures, algorithms, and discrete math
- Responsible for assessment design, curriculum, and academic consultations to cohorts of over 2000 students
- Nominated for the Education Excellence Award in 2023 by Faculty of IT

John Monash Science School

Co-curricular Facilitator

Melbourne, Australia

Feb 2024 – Nov 2024

- Extracurricular teacher and curriculum writer at selective STEM high school for digital circuits and engineering
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EDUCATION

Monash University

Bachelor of Computer Science (**GRADE:** High Distinction (80+))

Melbourne, Australia

Feb 2022 – Feb 2025

- **AWARDS:** Commendations of Excellent Academic Performance (2022, 2023), Research Scholarship (2023)
 - Past Honours research student under Optimisation Research Group, Department of Data Science & AI
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COMMUNITY

Independent Translation and Subtitling Projects

Apr 2019 – Ongoing

- Founder and leader of team of 50 volunteers in closed-source translation and captioning for content creators with upwards to 3 million subscribers, working in multimedia editing, scanlations, and quality assurance
- Translated and proofread over 30 MB of raw text in over 3000 minutes of text-dense media footage
- Created plugins in Python and Lua powered by OpenAI's Whisper for specialised timestamping alignment
- Amassed a following of over 10,000 subscribers and 1 million views across multiple video-streaming platforms

Monash Algorithms & Problem Solving

Jun 2022 – Feb 2025

- Founding member, branding designer, and lecturer for Monash University's official competitive programming club
 - Delivered weekly workshop and competitions on essential programming, algorithms and data structure topics
 - Organised, promoted, and composed competition problems for over 10 events with over 500 total participants
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SKILLS

PROGRAMMING: GoLang, Python, Java, C/C++, MiniZinc

TECHNICAL: Apache (Spark, Kafka, RocketMQ), Docker, FFMpeg, Git, MongoDB, (My)SQL, PyTorch, Redis

MEDIA: Adobe (Photoshop, Premiere Pro, After Effects, InDesign, Illustrator), Canva, Figma

LANGUAGES: English (Native), Mandarin (Fluent), Cantonese (Native)

Last updated: 19th of August, 2025.

"Where there's a "Will", there's a "Wei", kind of beautiful."