JASON GUNAWAN

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Tsinghua Shenzhen International Graduate School, 2279 Lishui Road, Shenzhen

As a Master's student in AI & Innovative Design at Tsinghua University, I combine a robust Computer Science foundation with hands-on experience in AI development. I am eager to leverage my technical expertise to contribute to impactful research opportunities.

Education Level

Tsinghua University - Shenzhen, China   Sep 2025 - Jul 2027 (Expected)

Master of Electrical and Information Engineering (AI & Innovative Design), 3.92/4.00

- Awarded Full Tuition Scholarship based on academic merit.
- Selected as the top project in the Learning from Data course (Course Rank: 1st).

The Chinese University Of Hong Kong - Shenzhen, China   Sep 2021 - Jul 2025

Bachelor of Engineering (Computer Science and Engineering), 3.40/4.00

- Developed ML models (BERT, UMAP Networks) as a Research Assistant, uncovering key themes in Chinese social sciences.
- Deployed an AI text-to-video pipeline (RAG, TTS), enabling automated content generation and posting as Capstone Project.

Work Experiences

Amphion AI - Shenzhen, China   Apr 2025 - Aug 2025

Intern Developer

At Amphion, we leverage advanced AI for seamless video translation, dubbing, and speech generation, empowering global content creation and audience engagement.

- Developed and enhanced core features for the Makaw AI platform (AI video/audio translation) using Python and key AI libraries.
- Improved AI-driven voice synthesis and video dubbing modules, boosting platform functionality and user experience.
- Collaborated with senior engineers to resolve complex bugs, significantly enhancing system stability and reliability.
- Optimized backend processes and integrated APIs, increasing the efficiency of content processing pipelines.

Blessings Web Developments - Jakarta, Indonesia   Jan 2023 - Present

Fullstack Developer Team Leader

- Led a 6-developer team to deploy a comprehensive CMS solution, integrating full-stack applications, and managing databases.
- Managed and hosted web application servers, ensuring high availability (uptime) and implementing robust security measures.
- Developed and maintained feature-rich full-stack web applications, prioritizing user experience and achieving adoption by 200+ users.
- Oversaw operations and maintenance for 4 websites, ensuring peak performance, seamless functionality, and regular updates.

The Chinese University of Hong Kong - Shenzhen, China   Jun 2023 - Jan 2024

Research Assistant

- Collected and analyzed abstracts from 497 articles published in journals, utilizing Scopus for comprehensive data retrieval.
- Applied BERT-topic modeling to perform topic analysis, achieving contextual word understanding and minimal preprocessing needs.
- Leveraged UMAP for visualizing high-dimensional article abstract data and HDBSCAN for uncovering latent semantic clusters.
- Identified and corrected misclassifications in topic clusters, improving the accuracy of automated classification processes.

Organisational Experience

CUHKSZ International Student Association (ISA) - Shenzhen, China   Jun 2023 - Jul 2024

Vice President

- Designed and implemented streamlined financial workflows across 8 departments, enhancing operational efficiency.
- Successfully orchestrated 3 international student events (100+ attendees each), driving cultural exchange and student engagement.
- Led financial forecasting and budget allocation for 8 departments, ensuring optimal resource distribution and fiscal responsibility.
- Managed RMB 50,000+ in financing, fostering inter-departmental collaboration and ensuring financial transparency

Skills, Achievements & Other Experience

- **Achievements** ✅ (2025): EmoBird: Open Source Contribution Award | Baidu ERNIE Open Source Innovation Competition
- **Paper Written** (2024): Beyond Topics: The Double Alienation of Chinese Sociology
- **Projects** ✅: ShortifAI, AI powered short video generator and poster.
- **Projects** ✅: NanoBanana (Gemini) Watermark Remover WebApp using Reverse Alpha Blending
- **Languages**: English (Native Speaker), Indonesian (Native Speaker), Chinese (Intermediate)
- **Skills**: Git - Python - SQL - Vercel - Vite - BERT - PyTorch - MongoDB - PostgreSQL - Supabase - C++ - Astro - Java - Typescript