

Elana (Junji) Liao

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SUMMARY

I am a current student at UTAS studying a Bachelor of ICT, looking to start my career in the IT industry. I want to focus on AI software development, with my expertise in machine learning and intelligent systems development. I am skilled in training large language models, deploying computer vision models for production environments, and implementing solutions across natural language processing, data mining, and computer vision domains. I have experience in collaborative and independent projects, with additional background in web development using Next.js and Spring Boot. I am driven by complex technical challenges and have a passion for advancing AI technologies. With my experience both at university and through my volunteer work, I believe my skills will support your business.

SKILLS

Front-end: React, Next.js, JavaScript, HTML, CSS

Mobile App Development: Swift UI, Android, Flutter, React Native, Electron

AI: Data Mining, Web Crawling and Data Scraping, LLM Training and Deployments

Database: MySQL, MongoDB, Firebase

Backend: Python, Java, Node.js

Operating Systems: Linux, macOS, Windows, Android

Productivity & Reporting: Excel (Advanced), Word, PowerPoint, Data Reporting & Analysis

EXPERIENCE

Full-Stack Developer (Volunteer)

September 2023 - October 2024

UTAS TPP Project Group (Image Processing Project), Hobart, Australia

- Developed a RESTful backend API using Node.js, enabling secure user authentication and efficient data process to improve system maintainability.
- Trained and integrated a YOLO object detection model for wildlife recognition, enabling accurate automated identification and streamlining data collection workflow.
- Designed a MongoDB-based data model to manager wildlife metadata, supporting scalable storage and efficient retrieval for analysis.

Technician

November 2023 - January 2024

Phone Solution, Hobart, Australia

- Resolved software and hardware issues on phones and tablets.
- Provided technical support and assistance to customers.
- Ensured the smooth functioning of devices through maintenance and repair services.

AI Input Method Editor Engineer

November 2022 - June 2023

iFly Tech, Shenzhen, China

- Developed and optimized machine learning models for input prediction, improving typing accuracy and overall user experience in AI-powered IME systems.
- Applied NLP techniques for intelligent text completion and context-aware word suggestions, enabling faster and more accurate user input.

- Analyzed large-scale user input data to model behavior patterns and support personalized prediction strategies.
- Collaborated with product and data teams to iteratively refine models based on user feedback and performance metrics, improving real-time responsiveness.

NLP Developer (Intern)

June 2022 - August 2022

Tencent Weibo, Chongqing, China

- Developed and trained NLP classification models with large-scale user comment data to detect comments violating community guidelines, supporting automated moderation workflows.
- Built automated reporting and visualization pipelines to surface moderation insights and sentiment trends for operational review.
- Adhered to data privacy and platform compliance standards throughout data processing and model development.

Technical Lead, Community Information System (Volunteer)

October 2021 - May 2023

Project Trans (NGO), China

- Led the design and development of **community health information platforms** (e.g., *mtf.wiki*, *rle.wiki*), providing structured medical and daily-life guidance for underserved populations.
- Collected, validated, and maintained healthcare provider and support resource data, enabling safer and more informed access to medical and mental health services.
- Designed content management and information architecture to transform community feedback into clear, actionable guidance materials.
- Coordinated online and offline educational outreach, including public science communication and social media content delivery via WeChat and Weibo.
- Collaborated with volunteers and healthcare professionals to continuously update resources and support timely referral and psychological support workflows.

EDUCATION AND TRAINING

Bachelor of Science, Artificial Intelligence

University of Tasmania, Hobart, TAS · Expected
Graduation: June 2026

Bachelor of Science, Communication Engineering

Chongqing University of Post and
Telecommunication, Chongqing, China · Graduated:
June 2023

CERTIFICATE

IBM TechXchange 2025 - watsonx Hackathon

Top 50 Teams (Global)

REFERENCE

Dr. Lindsay Wells

Lecturer ICT, Major Coordinator - Application and Web Development, University of Tasmania

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