

# 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

## CERTIFICATE

### IBM TechXchange 2025 - Watsonx Hackathon

Top 50 Teams (Global)

### Bachelor of Science, Communication Engineering

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

## REFERENCE

### Dr. Lindsay Wells

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

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