

Ethan Yifan Zhu

Email: ethanyifanzhu@gmail.com

Tel: +61 472 573 826

Website: ethanychoo.com

Address: 26 Barry Drive, Canberra ACT 2601, Australia

CAREER OBJECTIVE

As a Master of Computing candidate with strong technical skills in programming and database management, I am seeking opportunities to gain hands-on experience in Information Communication Technology area in all scientific disciplines. With previous experience in full-stack development and project management, I am eager to contribute to innovative and sustainable solutions. I am confident that my skills and passion for technology make me a strong candidate for this role.

EDUCATION

The Australian National University (ANU)	07/2022-07/2024
Master of Computing	GPA: 6.00/7.00 (76.07/100)
Southwest University	
Bachelor of Engineering Computer Science and Technology	GPA: 87.25/100.00 09/2018-07/2022
Bachelor of Science in Applied Psychology (Minor)	GPA: 83.66/100.00 01/2020-07/2022
University of California, Los Angeles (UCLA)	06/2021-08/2021
Course of Introduction to Data Science	Credit:4 Grade: A

SKILLS

Programming languages: Java, C/C++, Python, Rust	Database: MS SQL, MySQL
Front-end: HTML, ASP.NET, JavaScript, Office Script	Back-end: C#
Data Science: R, SPSS, MATLAB	Report and Formula: Markdown, LaTeX

CERTIFICATIONS

Amazon Web Services (AWS) Certificated Cloud Practitioner (Issued March 2024)
Japanese-Language Proficiency Test (JLPT, 日本語能力試験), N2 (Issued February 2024)
Study Australia Industry Experience Program Completer (Issued July 2023)
Test de connaissance du français (TCF) – tout public, niveau A2 du CECRL (Issued December 2022)

WORK EXPERIENCE

XtreamCompute Pty Ltd, Canberra, Australia 07/2023-10/2023
Building and Enhancing software for a cloud VR/AR application
Position: Internship (Software Engineer) Manager & Supervisor: Mark Reed
XtreamCompute is a technology company specializing in cutting-edge cloud edge computing technologies. The primary objective of this position was to enhance the cloud gaming platform to support cloud VR/AR, utilising cutting-edge XtreamLINK technology with Rust programming language. The role encompassed research, integration, testing, and documentation. Have successfully integrated XtreamLINK to flawlessly stream VR games, establishing seamless connections with both a nearby local laptop and a remote cloud server.

Integrated Management Solutions (IMS), Canberra, Australia

08/2023-09/2023

IMS Excel Development with ChatGPT Integration

Position: Freelancer Software Engineer Client: Leo Fan

IMS reviews and helps to develop policies, processes and procedures required for achieving accreditations.

This project aimed at creating a comprehensive risk management solution using Microsoft Excel and integrating it with ChatGPT through Office Scripts. This initiative is designed to empower users with an effective tool for identifying and managing project and business risks.

Chengdu Tenops Technology Co., Ltd (Tencent Cloud), Chongqing, China

08/2021-09/2021

Position: Internship

Tenops is a company that focuses on providing technical support services for Tencent Cloud. Assist all levels of government, electricity, communications, police, medical, retail and other fields.

Analyzed game bugs, used Linux to set up different network servers, such as DNS server and FTP server, to communicate between virtual machines, and operated MySQL database.

PROJECT & RESEARCH EXPERIENCE

School & Industry Project: Design and Research on Information System of Textile Production Process

Instructors: Lingxiao Jing, Jun Zhou.

07/2021-12/2022

- Developed an information system with production and raw material consumption calculation, as well as maintenance of parameters using algorithms.
- Full-stack developing, including front-end, back-end, database and algorithms, as well as testing and maintenance.
- Currently, the system is being used in textile enterprises in Shandong and Chongqing in China and is continuously upgraded.

Government Research Project: Study on the Driving Mechanism of Tourism Economy in Kunming, Yunnan – A Research Based on Entropy Weight Grey Correlation Analysis Model

09/2020-12/2020

- Have been involved in building an entropy-weight grey correlation analysis model, including grey relational degree calculation, weight calculation and weighted incidence degree calculation.
- Analyzed tourism demand factors to tourism economic growth.
- Collected data on tourism, built Grey Correlation model, wrote analysis code, and finally gave advice on how to improve tourism.

Research Project: A Quantitative Model of Music Influence Based on Cosine Correlation Coefficient

Instructor: Binghui Guo

02/2020

- Have comprehensively used cosine similarity coefficient and Principal Component Analysis (PCA) to develop a model to measure the influence of music, so as to examine the evolution and revolutionary trends of artists and genres, and to quantify the role of music evolution.
- Have completed the creation of a targeted influencer network and judged whether the artists in the genre are more similar than those outside the genre, describing and exploring the laws of genre changes over time, judging which musical characteristics are more "influential", etc.

LANGUAGE AND HOBBY

Languages: English, Japanese, Mandarin, and studying Français.

Hobbies: Programming, travelling, reading and gaming.