

# Yajun(Liam) Ma

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## Profile

Four years of system developing and designing experience, three years project management experience, Data analyst in ALPA, passionate about Data science, machine learning, and Computer Vision, Automation Solution Developing

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## Education

**Master of Information systems and data science** Dec 2021  
Charles Darwin University, Darwin

**Bachelor of Network engineering** August 2017  
University of Shanxi, China

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## Employment History

**The Arnhem Land Progress Aboriginal Corporation (ALPA), East Arm, NT** Jan 2023– Now  
Solutions Architect (Promoted)

- Data Science
- Automation solutions development
- System analysis

**The Arnhem Land Progress Aboriginal Corporation (ALPA), East Arm, NT** Jan 2022– Jan 2023  
Data Analyst

- Data analysis based on Restful API: data extraction, data cleaning and data visualization;
- Business automation process development: based on Microsoft Power Platform;
- Ticket problem solving for Dynamics 365.
- ETL through Alteryx and Mulesoft

**XIWANG (SHANGHAI) ELECTRONIC COMMERCE CO., LTD, Shanghai** Jul 2017 – Oct 2019  
Develer&PM

- Development of online trading system for chemical industry, real-time futures price dashboard
- Optimised the system performance and reinforce it safely to ensure the safe, stable and fast operation of the system.

**Zhejiang NaLian Co., Ltd, Taizhou** Sept 2013 – July 2017  
Developer&PM

- Managed and developed electromechanical mobile terminal and PC terminal mall system (order, customer service, logistics, settlement, etc.);
- Managed and developed supplier ERP system, and train suppliers;
- Output all kinds of PRD, reports and dashboards

#### **Tencent Holdings Ltd, Shenzhen**

Sept 2012 – Jan 2013

Web Developer(Internship)

- Development and maintenance of the company's internal forum.
- Optimization and maintenance of product page performance, continuous improvement of user experience

#### **Alibaba Search Recommendation Division**

June 2012 – Sept 2012

Research Intern (Internship)

- Test the user experience and front-end performance of the new algorithm products
- Assist to write requirements document and integrate technical document

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## **Degree Related and Self-maintained Projects**

- **Online Clinic SaaS system** Feb 2020 – May 2020  
A web-based platform built using PHP, a popular server-side scripting language, that provides online clinic management services to healthcare providers. The features include clinic operations, enhance patient management, and improve overall efficiency.
- **Python AI snake game** Sept 2020 – Current  
The Python AI Snake Game is a classic arcade game implemented in Python. The game is enhanced with an artificial intelligence (AI) component that controls the movements of the snake to play the game autonomously without human input.
- **Prediction model for criminal records of the Great Darwin** Sept 2021 – Nov 2021  
ITcode Fair Winner Project, use machine learning to prediction NT crime.
- **Image recognition for Aboriginal Artefacts** Mar 2021 – Current  
An image recognition web app to recognize the object for Australian Aboriginal Artefacts.

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## **Key Skills**

- Program language:
  - C, PHP and Python, JavaScript, HTML, CSS;
  - ThinkPHP, Django, Tensorflow, Pandas, Numpy, Sklearn, Vue, Angular
- Software related:
  - Neo4J, Mysql, Oracle, Alteryx
  - Git, JIRA, SVN; Axure, Xmind, Visio
  - Microsoft Azure, Cognitive Service, Microsoft Power Platform, Tableau, Dynamics 365

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## **Certifications Licenses and Memberships**

- Google Data Analytics Certificate
- 3rd Place of National Innovation Games - Northern Territory Series
- Project Management Professional (PMP)®

- IT Information Library Foundations Certification (ITIL)
- Data Science Professional Certificate (V2)
- Microsoft Certified: Azure AI Fundamentals
- Microsoft Certified: Azure Data Fundamentals
- Microsoft Certified: Azure Fundamentals
- Microsoft Certified: Power Platform Fundamentals
- Microsoft Certified: Dynamics 365 Fundamentals (ERP)
- IEEE Memberships
- ACS Memberships

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## Honors & awards

- Winner of ITcodefair Data Science Challenge
- ISAAC Scholarship of Monash University
- Destination Australia Scholarship
- Department of Corporate and Digital Development Scholarship
- National Encouragement Scholarship of China
- China National Scholarship

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## Volunteer Work

**Step into STEM NT, Darwin, NT**

Sept 2021 – Current

Student Mentor

**Inspired NT**

Sept 2020 – Current

Technical Support Specialist

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## Referees

Referees available upon request

Dr. Cat Kutay  
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