

TIAN Mingchuan

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Education

Jul 2018 - Present	The University of Western Australia Bachelor of Science in Data Science (W/ 2 nd major in Computer Science) GPA: 6.1/7 (transcript)	Perth, Australia
Nov 2019 - Jan 2020	Beijing Institute of Technology Student Credit Exchange Program	Beijing, China

Work Experience

May 2019 – Aug 2019	China Mobile Ltd. <i>Software Engineer Intern</i> <ul style="list-style-type: none">Improved server-side web application logic, including overriding methods to handle frontend calls on the backendWorked with the software dev team to coordinate the development of new app features and to resolve issuesMaintained backend server, including fixing bugs and closing outdated, broken APIsProof of internship	Beijing, China
Dec 2016 – Aug 2018	Milove Inc. <i>President, Founder</i> <ul style="list-style-type: none">Established milove.com, a US-based pre-owned luxury online trading platformInterconnected high-net-worth personal shoppers/sellers in China with resale enterprises in the U.S. (Rebag, Fasionphile, Yoggi's closet) to achieve rapid profit growthManaged a 13-people team and self-raised over 1 Million USD for business operation and expansion (Media coverage)Opened an affiliated retail store offering offline shopping and servicing experience in Temple City, California in mid-2018 (Picture)Website screenshot in 2018, Business plan in 2018	Los Angeles, United States

Technical Projects

Jul 2020 - Dec 2020	Unigames Library Management System <i>Python, Flask, MongoDB, jQuery, Apache2</i> <ul style="list-style-type: none">Built an online library management system web app both backend and frontend for Unigames Club at The University of Western AustraliaDesigned the web UI/UX and implemented with HTML5/CSS3 + Bootstrap4Implemented a tag implication mechanism for easy tagging management by designing a directed acyclic graph data structure in MongoDB	Perth, Australia
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- Took the leadership role in a 5-person team and practiced Scrum (Agile) methods with teammates to adapt to fast-changing client demands through collaborative effort
- Responsible for almost every aspect of the web application
- [Github](#), [Test site](#) (login with username: admin@unigames.com, password: admin)

Aug 2020 - Nov 2020

Three-Chess AI Agent

Java

- Explored and validated various modern multi-player game algorithms (Paranoid, Max-N, Best-reply search, Monte Carlo Tree)
- Constructed competitive AI agents using Max-N and Monte Carlo Tree algorithm for Three-chess game written in Java
- Compared the performance of different algorithms in the Three-chess game (time complexity, completeness, further optimization, etc.) via a research report ([view report](#))
- Agents outperformed 95% of competitors in the Chess contest held by the UWA

Perth,
Australia

Mar 2020 - April 2020

UWA Quiz Management System

Python, HTML5/CSS3, JavaScript, Flask, SQLite, Heroku

- Built a multi-user web app that allows instructors to set up quizzes and provide feedback to students
- Used JavaScript and AJAX technology for smooth client-server communication
- Tested the application via Selenium WebDriver
- Deployed and tested the project using Heroku

Perth,
Australia

Skill Sets & Proficiency

Programming	Python	Proficient
	Java	Proficient
	C/C++	Intermediate
	R	Intermediate
	C+	Basis
Web	HTML5/CSS3	Proficient
	SQL	Proficient
	Flask	Proficient
	Git/Heroku	Proficient
	Bootstrap	Proficient
	MongoDB	Intermediate
	JavaScript	Intermediate
	Linux/Unix Django	Intermediate Basic
Data Processing & Machine Learning	Numpy/Matplotlib	Proficient
	Pandas	Intermediate
	TensorFlow	Basic
Software Testing	Selenium	Proficient
Document Preparation	Word/Pages	Proficient
	Markdown	Proficient
	LaTeX	Basic
Non-technical Skills	Agile Project Management	Proficient

Language Proficiency

English	Fluent (TOEFL iBT 103 in 2016)
Mandarin	Fluent

Other Activities

Dec 2019 – Feb 2020	Dormish English Club <i>Foreign English Teacher for adult students</i> <ul style="list-style-type: none">• Helped local adult students enhance English speaking and communication skills through culture sharing and topic discussion• Held regular English debates and other practical activities (touring, etc.,)• Participated in brand promotions, mainly responsible for online digital marketing and video advertisements• View pictures	Ho Chi Minh City, Vietnam
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