

David Xu

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WORK EXPERIENCE

RESORTer ([resorter.app](#))

Fullstack Developer/Software Engineer

Feb. 2019 – Mar. 2020

Melbourne, Australia

- Implement a ski trip booking website using ReactJS and AdonisJS frameworks
- Deploy the website using Heroku and implement SSL and root domain redirection features
- Interpret and implement core business requirements within the website
- Design and implement RESTful APIs

Capital Guardians

Frontend Developer

Jan. 2020 – Mar. 2020

Melbourne, Australia

- Extend existing web application to utilise calendars for its planning tool
- Design web application layouts using Figma

EDUCATION

The University of Melbourne

Master of Software Engineering

Expected Jul. 2020

Melbourne, Australia

- Overall H2A grade (77.857 Weighted Average Mark)
- Winner of Best Project in Computing and Information Systems Award for Endeavour 2019
- 3rd place in The University of Melbourne MSE Case Competition 2018

PROJECT EXPERIENCE

AI Pacman Agent Project

- Implement an AI Pacman agent using Reinforcement Learning, written in Python
- Use various search algorithms and heuristics including Weighted A*
- Deploy various strategies to compete against opponent AI agents

RSS Fetcher

- Build a script in Java that fetches RSS content locked behind an authenticated forum
- Fetch contents at a specific time of the day and save to online storage to be read by RSS readers

VOLUNTEER EXPERIENCE

SuperHack 2018

Mentor

Dec. 2018

Melbourne, Australia

- Teach high school students programming fundamentals using Arduino
- Supervise students' progress in programming a maze-traversing robot

SKILLS

- Experience in various programming languages, including **C, Java, Python**
- Web development experience, including the use of **JavaScript ES6, HTML5, ReactJS, and Django**
- Proficient in Git version control tools (GitHub, GitLab, BitBucket)
- Software project management and Agile experiences

LANGUAGES & INTERESTS

- Intermediate reading and basic spoken Japanese; JLPT N4 achieved in 2014
- Limited proficiency in Chinese (Mandarin and Cantonese)
- Practiced karate in Melbourne University Karate Club; committee member in 2016
- Interest in computer components, smartphones & other gadgets