Xiaotan Zhu

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EDUCATION

- **Dulwich International High School Suzhou** — Suzhou, China
  A Level; A*A*A*A* — *Sep. 2014 - Jul. 2018*

- **The University of Manchester** — Manchester, UK
  Bachelor of Computer Science; First Class — *Sep. 2018 - Jul. 2021*

- **Imperial College London** — London, UK
  Masters in Advanced Computing; Merit — *Oct. 2021 - Oct. 2022*

SKILLS

- **Human Languages**: English, Chinese
- **Programming Languages**: Python, Java, Javascript, Typescript, HTML, CSS/SASS
- **Tools**: Git, Docker, Jupyter Notebook, NumPy, Pytorch, VS Code, React, Nginx, Apache, AWS, VueJS, NextJS
- **Operating Systems**: Windows, MacOS, Linux

EXPERIENCE

- **Meezao.com** — Beijing, China
  Software Engineer Internship — *Jul. 2019 - Sep. 2019*
  - **Client Web Interface**: Linked databases to the user interface, and ECharts was used to present the data. Redesigned user interface with a mobile-friendly and readable layout.
  - **Application Features**: Changed the user interface to facilitate looking up historical data and real-time updates.

ACADEMIC PROJECTS

- **Verifying Learned Rewards**: Reproduced findings from the research "Deep RL from Human Preferences" which models human preferences using deep neural networks. Provided some solutions after analysing the learnt reward models' shortcomings and limits. Participated in the GitHub imitation project.
- **Deep Q-Learning Project**: Utilized reinforcement methods like Double DQN, Dueling DQN, Prioritized Experience Replay to create an agent that can play Super Mario Bros at a human expert level with only pixel input.

PERSONAL PROJECTS

- **Personal Website (https://zhuxiaotan.com)**: My NextJS-based web portfolio. The website features a clean and modern design, making it easy to navigate and explore the various sections. The project is open sourced at https://github.com/SugarmanZhu/Portfolio_Vercel
- **Emby Media Project (https://emby.zhuxiaotan.com)**: An automatic media server with Emby. The project searches TMDb and Douban for popular content, extracts their metadata, organises the content into categories, and then displays it on Emby. Guest Account Username: Guest, Password: PublicAccess
- **RSS Reader (https://rss.zhuxiaotan.com)**: A RSS project based on NextJS. For the purpose of tracking all of its content in one location, the website integrates RSS feeds from various sources. Additionally, the project offers an API for retrieving RSS feeds. The project is open sourced at https://github.com/SugarmanZhu/RSS_Vercel
- **Reaction Test (https://reaction-time.zhuxiaotan.com)**: A straightforward website to test response time. The project is based on VueJS and is open sourced at https://github.com/SugarmanZhu/Reaction_Time_Vercel

CERTIFICATIONS

- **AWS Certified Cloud Practitioner**:
  https://www.credly.com/badges/5c5c2ea7-584f-488c-b38d-eb9540337af7/linked_in_profile
- **Front-End Web Development with React**:
  https://www.coursera.org/account/accomplishments/certificate/WXPH8YSA9N47
- **Mathematics for Machine Learning**:
  https://www.coursera.org/account/accomplishments/specialization/certificate/LEWKN5SGXAWB