

SHIJUN JU

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RELEVANT EXPERIENCE

AI Projects *Machine Learning, LLM, AutoML, Python* Canada Dec 2023 – Present

- Achieved Top 1% (15th out of 1,847) in the 2024 KaggleX Skill Assessment Challenge; the only participant to finish in the top 1% on both the public and private leaderboards.
 - Chosen as a top participant in the 2024 KaggleX Fellowship from over 3,000 applicants
- Utilized BERTopic for comprehensive topic modeling on over 3,000 A-level multiple-choice questions and integrated OpenAI API to generate new questions tailored to the categorized topics
- Created applications for RAG document knowledge extraction and compared the performance of Google Gemini API and GPT-4 API in analyzing charts.
- Developed a Python application to automate class schedule optimization, enhancing efficiency and reducing time spent on manual scheduling tasks.

3auk.com, LiuXueWangXiao.com

Programmer, Founder China
Jun 2021 – Aug 2023

- Developed and enhanced student-facing online learning platform to improve user experience.
- Built interactive learning activities and quizzes, fostering an engaging learning environment.

Educational Applications *Programmer: JS, Unity(C#)* China Jun 2019 – Aug 2021

- Created an immersive Virtual Reality Classroom that enhances educational experiences
- Developed two brainstorming and essay writing tools with React.js and interact.js, featuring automatic topic note generation and drag-and-drop functionality for enhanced learning efficiency.
- Designed and developed a cloud-based WeChat MiniApp that delivers interactive study notes and personalized homework assignments, with a strong focus on user-centric solutions.
- Designed an all-in-one interactive chart application (with over five years' exam questions, charts, and answers) using D3.js. Implemented meticulous categorization for educators and students.

Web Scraping and Data Collection *Programmer* China Jan 2020 - Feb 2020

- Utilized Python, Scrapy, and MongoDB to collect, transform, and store educational data including university majors, university news (summarized and translated), and university rankings

COMPUTING AND LANGUAGE SKILLS

Programming: Python (intermediate), R (intermediate), SQL (intermediate), SAS (intermediate), \LaTeX (advanced), Azure Cloud, Javascript, MS Power BI

Languages: English (fluent), Mandarin Chinese (native)

PROFESSIONAL CERTIFICATIONS & TRAINING

Passed all three levels of Chartered Financial Analyst (CFA) exams

EDUCATION

Graduate Certificate in Artificial Intelligence, Georgian College, Canada Dec 2024 (expected)
Graduate Certificate in Marketing Analytics, Centennial College, Canada May 2024
Ph.D., M.A. in Economics, University of Pittsburgh, United States Nov 2015
B.A. with Honorary M.A. in Economics, University of Edinburgh, Scotland Jun 2006