

Addison Chew Jun Wei

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Github Link: <https://github.com/AddChew/cs50x.git>

SUMMARY

A self-driven and adaptable individual, with experience working on data science and machine learning projects in the private and public sector. Possesses working knowledge of Python and its associated data science libraries such as Pandas, Scikit-Learn and PyTorch. Seeking to pursue a career in the field of data science and machine learning.

SKILLS

- Proficient with Python 3, JavaScript (ES6), PyTorch and SQL
- Problem Solving, Project Management, Teamwork and Leadership
- Fluent in English and Mandarin

EXPERIENCE

Immigration and Checkpoints Authority (ICA)

Singapore

Data Analyst – Information Management Division

Jan 21 to Present

- Support data requests from across government agencies, by writing SAS programs to query relational databases
- Created interactive dashboards in Qlik Sense, to facilitate the tracking and reporting of employee training KPIs
- Trained a sentiment analysis model using Transformers library in Python to automate the tagging of employee feedback based on their sentiments. Deployed the model locally in the browser using Tensorflow.js, JavaScript, HTML, CSS and Flask
- Built a Web Scraper using Selenium library in Python to automate the extraction of Facebook and YouTube comments from ICA recruitment videos for analysis. Reduced the time required to extract the comments by more than 90%
- Leveraged the use of topic models in Python to automate the extraction of key topics from customer feedback. Cut down the time and manpower required to analyse customer feedback by more than 95%. Deployed the topic models as a desktop application using Flask and Pyside2 libraries in Python

Pensees Pte Ltd

Singapore

Artificial Intelligence Intern

Sept 20 to Dec 20

- Developed computer vision models in Pytorch, for facial emotion recognition and pedestrian attribute recognition
- Built a Telegram bot using Python, that enabled the user to monitor and control deep learning experiments from his mobile

Sunfield Global Pte Ltd

Singapore

Data and Research Intern

May 19 to Sept 19

- Automated routine market reports/dashboards creation, data extraction and processing with VBA macros. Shortened the average time required to perform each of these tasks by 90%
- Analysed the prices and production of edible oils with Analysis ToolPak in Excel, to forecast future oil production and consumption

Bank of China

Singapore

Bank Operations Intern

Mar 17 to May 17

- Conducted client background scans using CTMS, Dow Jones, AML, ACRA and Google for “Know Your Customer” (KYC) purposes
- Updated an average of 60 customer particulars daily using SIMS, SIS and Excel. Ensured that the bank’s customer database was kept up to date to facilitate client analysis

EDUCATION

Singapore University of Technology and Design (SUTD)

Singapore

May 17 to Aug 20

- Bachelor of Engineering (Engineering Systems and Design), Honours
- Major in Business Analytics and Operations Research, Minor in Information Systems
- GPA 4.42/5.00, Magna Cum Laude, SUTD Merit Scholarship Holder
- Honours List for Senior, Junior, Sophomore and Freshmore Years