Xiujin Yun

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PERSONAL SUMMARY

I am a current Master of Computing and Innovation student with a strong foundation in Python, data analysis, and front-end web development. I am a fast learner with a passion for self-improvement, having independently acquired numerous technical skills. I aspire to solve complex website challenges and enhance user experience through innovative web development solutions.

SKILLS

I am proficient in the following technologies and skills
- Programming Languages: Python,   SQL, MATLAB
- Web development language: HTML, CSS, JavaScript, React
- Tools: NLP, Web Scraping, Scikit-learn, Numpy, Pandas, Seaborn
- Functional: Data Analysis, Machine Learning
- Other skills: 3D Modeling Tools: Marvelous Designer, CLO3D, Blender

EDUCATION

Master of Computing and Innovation   February 2024 -   Now
University of Adelaide
Achievements:
- GPA 5.8
- Distinction received for Introduction To Statistical Machine Learning, Algorithm Data Structure Analysis, Computer System, Project Management

Fashion Design   June 2016 - June 2017
Tianjin Bauhaus Vocational College

Biological Engineering   June 2012 - June 2016
Tianjin Agricultural University

WORK HISTORY

Brand Planner and Website Coordinator   August 2019 -   January 2023
Misty April Co., Ltd
- Responsible for overall brand product operations and website content coordination.

Fashion Designer   December 2017 - February 2019
Hangzhou Yeshe Fashion Co., Ltd.
- Responsible for design and development of fashion collections, and participated in organizing four fashion shows.

PROJECTS

Game Auto-Pathfinding Scrip Project   October 2024 -Now
- Developed an auto-pathfinding script in collaboration with game enthusiasts to address game shortcomings (The Luma Island).
- Address the problem with the A-start algorithm in RPG Game.

Graph Algorithm Project   August 2024
- Implemented an algorithm to reconstruct the road network and generated the shortest path,

based on the implementation of data structures.

- Achieved accurate and efficient results across various scenarios, including disconnected cities, redundant paths, and per-optimized networks with the implementation of many different algorithms

ML & Data Analysis Project   July 2024
- Implements SVM using CVXPY, achieving 94% accuracy.
- Built PCA from scratch for dimensionality reduction and data reconstruction.
- Developed Kernel k-Means with RBF kernel for data clustering.

Self-learning Experience
Full-Stack Web Development
November 2024 - Now

- Front-end technologies: HTML, CSS, JavaScript

- Back-end frameworks: Node.js, Express.js

3D modeling:
May 2019
- Designed costume mods for game characters (The Sims 4)
- Created 3D model references for real clothing designs