

Yu Chang

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SUMMARY

Master student in Computing and Technology with a background in psychology. Focusing on Computer Science. Seeking Full-time Software Engineering opportunities for Summer 2025.

EDUCATION

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|---|---------------------|
| Master of Engineering - Computing and Technology | Expected May 2025 |
| Arizona State University | Cumulative GPA 3.67 |
| B.S. in Psychology | May 2023 |
| Chung Yuan Christian University | GPA 2.9 |

TECHNICAL SKILLS

Programming Language: Python, JavaScript, Bash, HTML, CSS, Dart

Python External Libraries: pandas, NumPy, scikit-learn, TensorFlow, PyTorch, matplotlib, Flask, Beautiful Soup, NetworkX

Other skills: OOP, Git, GitHub, PostgreSQL, Linux, Agile, Docker, GCP

Certificates: Google IT Automation with Python, PostgreSQL for Everybody

PROJECTS

Foundations of Social Media Mining Class Project Summer 2024

- Created **Python** scripts to implement ten recommendation and similarity algorithms.
- Created **Python** scripts using **Flask** and **Beautiful Soup** to scrap website content and implement them into **RESTful APIs**.

Handwritten Digit Recognition, Statistical Machine Learning Class Project Spring 2024

- Implemented density estimation, classification, and K-means clustering using **NumPy** and **Scikit-learn**.
- Created a CNN using **TensorFlow** to solve the handwritten digit recognition task.

Neural Network for Collision Prediction, Artificial Intelligence Class Project Spring 2024

- Created **Python** scripts to collect data from the collision simulator and implement DataLoader for the FNN training.
- Created a FNN using **PyTorch** to solve the collision prediction task.

FNN for Network Traffic Anomaly Detection, Advanced Computer Networks Class Project Spring 2024

- Preprocessed the NSL-KDD data set using **Scikit-learn** for the FNN training.
- Created a FNN using **TensorFlow** to solve the anomaly detection task.

Google IT Automation with Python Certificate, Coursera Google Career Certificates Summer 2022

- Created **Python** scripts using external libraries to modify files and interact with web services.
- Employing **Git** and **GitHub** for version control of course code and materials.

OTHER WORK EXPERIENCE

Hsinchu Motor Vehicles Office, Taoyuan City, TAIWAN: Assistant (20 hours/week) Aug 2021 – Mar 2022

- Taiwanese DMV. I was responsible for computer data entry and customer service.

DECATHLON TAIWAN, Taoyuan City, TAIWAN: Sales Associate (8-30 hours/week) Oct 2020 – Nov 2021

- Meet customer needs with good communication skills. Participated in meetings to discuss purchase quantity and product presentation.