Hung-Yi Wu

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EDUCATION AND HONORS

National Yang Ming Chiao Tung University (NYCU, former NCTU) *Hsinchu, Taiwan*
Bachelor of Science in Computer Science *September 2018 – June 2022 (Expected)*
Overall GPA: 3.97/4.3
Honors:
2019 Hsinchu Du Cheng Huang Temple Scholarships for outstanding students
2020 Taipei Wenchang Temple Scholarship for outstanding students
Relevant Coursework:
Data Structures, Algorithms, Computer Organization, Operating Systems, Computer Graphics, Machine Learning, Multimedia, Linear Algebra, Discrete Mathematics, Probability, Formal Language, Numerical Methods, Computer Networks, Network Programming, Database Systems, Computer System Administration

SKILLS

Programming: Python, C++, MATLAB, MySQL, C, HTML, CSS, JavaScript, PHP, shell
Libraries: NumPy, Pandas, Scikit-learn, TensorFlow, Keras, PyTorch, Matplotlib, Seaborn
Languages: English (TOEIC 860, GRE 322), Chinese (Native)

WORK EXPERIENCE

Synopsys, Inc. *Hsinchu, Taiwan*
Technical Engineering Intern *July 2021 – August 2021*

PROJECTS

Fake News Detection using a BERT-Based Deep Learning Approach *May 2021 – Present*
Artificial Intelligence - National Chiao Tung University
- This project aims to detect fake news and analyze its categories
- Fine-tuned a BERT's pretrained model for fake news detection. With 98% overall accuracy at the beginning stage

Table Tennis Posture Analysis *September 2020 – June 2021*
Computer Vision & Machine Learning - National Chiao Tung University
Advisor: Prof. I-Chen Lin
- Utilized an SVM model to classify table tennis players' postures (forehand, backhand, etc.) with skeleton detection. Successfully achieved 92% overall accuracy on test videos
- Built a model to trace balls and tables by Semantic Segmentation with Google AI's EfficientNet with 90% average IoU score on test images

Stock Price Prediction *April 2021*
Machine Learning Personal Project
- Implemented a Long Short-Term Memory model to predict stock prices of next 10 days based on data of past 1000 days. Data was fetched by Yahoo! Finance API
- Verified and visualized the trends of actual and predicted stock prices for the past 10 years

BBS and Chat Room System *September 2020 – December 2020*
Network Programming - National Chiao Tung University
- Constructed a Bulletin Board System in Python to allow users to create boards, posts, comments
- Built a chat room service within the BBS to allow users to privately/publicly chat with other users