Ting-Chih Chen

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GitHub: ting-chih
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Skill

Programming: Python, C/C++, Java, JavaScript, HTML, CSS, PHP

Scientific Package: scikit-learn

Education

Virginia Polytechnic Institute and State University (VT) — Blacksburg, VA

Master of Science, *Computer Science and Applications* — 2022 - Present

National Changhua University of Education (NCUE) GPA:3.4/4.0 — Changhua, Taiwan

Bachelor of Science, *Computer Science And Information Engineering* — 2017 - 2019

Academic Activities

VT CS4824 Machine Learning Project

News Category Prediction — *May. 2022*

- Implemented Naive Bayes, Bag of Words and TF-idf with scikit-learn to predict unknown news (Accuracy:63%)

NCUE Undergraduate Senior Project

Data Distribution Strategy With High Computational Efficiency In Spark — *Apr. 2019.*

- Deployed a distribution system on Hadoop

Ministry of Science and Technology Research Project

Research On The Necessity Of Combining Blockchain Technology With Industrial Technology — *Jan. 2019*

- Developed the cryptocurrency and smart contract

Work Experience

Virginia Polytechnic Institute and State University — Blacksburg, VA

Graduate Research Assistant — Summer 2022

- Built up a wikiHow instrument video dataset
- (Ongoing) Designed a Deep Learning model to predict the next step based on videos

National Center for High-performance Computing — Taichung, Taiwan

Research Intern — Summer 2019

- Built up a boat images dataset and researched the computer vision papers

National Changhua University of Education — Changhua, Taiwan

Research Assistant — 2018 - 2019

- Researched the blockchain applications papers

Publications

[1] Application of LSTM Neural Network in Stock Price Movement Forecasting with Technical Analysis Index — Feb. 2020

Ting-Chih Chen and Chin-I Lee

International Conference on Innovation and Management (IAM2020)