Ting-Chih Chen

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RESEARCH INTERESTS

Machine Learning, Deep Learning, Natural Langugage Processing, Computer Vision

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)