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Ting-Chih Chen

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RESEARCH INTERESTS

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

SKILL

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

Scientific Package: scikit-learn

EDUCATION

<i>Virginia Polytechnic Institute and State University (VT)</i>	Blacksburg, VA
Master of Science , <i>Computer Science and Applications</i>	2022 - Present
<i>National Changhua University of Education (NCUE) GPA:3.4/4.0</i>	Changhua, Taiwan
Bachelor of Science , <i>Computer Science And Information Engineering</i>	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
<i>Graduate Research Assistant</i>	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
<i>Research Intern</i>	Summer 2019

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

National Changhua University of Education	Changhua, Taiwan
<i>Research Assistant</i>	2018 - 2019

- Finished the Ministry of Science Technology project and researched the blockchain applications papers

PUBLICATIONS

[1] Application of LSTM Neural Network in Stock Price Movement Forecasting with Technical Analysis Index Ting-Chih Chen and Chin-I Lee International Conference on Innovation and Management (IAM2020)	Feb. 2020
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