Ting-Chih Chen

(908) 381-4759
Blacksburg, Virginia
tingchih@vt.edu

GitHub: ting-chih
LinkedIn: Ting-Chih Chen
Website: ting-chih.github.io

RESEARCH INTERESTS

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

ACADEMIC ACTIVITIES / WORK EXPERIENCE

Virginia Polytechnic Institute and State University   **Blacksburg, VA**

Graduate Research Assistant   *Summer 2022*

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

VT CS4824 Machine Learning Project   **Blacksburg, VA**

News Category Prediction   *Mar. 2022 - May. 2022*

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

National Center for High-performance Computing   **Taichung, Taiwan**

Research Intern   *Summer 2019*

- Built up a boat images dataset and researched YOLO2 and computer vision papers

NCUE Undergraduate Senior Project   **Changhua, Taiwan**

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

- Deployed a distribution system on Hadoop

Ministry of Science and Technology Research Project   **Changhua, Taiwan**

Research On The Necessity Of Combining Blockchain Technology With Industrial Technology   *Jan. 2018 - Jan. 2019*

- Developed the cryptocurrency and smart contract

National Changhua University of Education   **Changhua, Taiwan**

Research Assistant   *Jan. 2018 - Jan. 2019*

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

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)   Changhua, Taiwan

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

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)

SKILL

Programming: Python, C/C++, Java, JavaScript, HTML, CSS, PHP
Scientific Package: scikit-learn, AWS, PySpark