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Ting-Chih Chen

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EDUCATION

<i>Virginia Polytechnic Institute and State University (VT)</i>	Blacksburg, VA
Master of Science , Computer Science and Applications	2022 - Present
<i>National Changhua University of Education (NCUE) GPA: 3.4/4.0</i>	Changhua, Taiwan
Bachelor of Science , Computer Science And Information Engineering	2017 - 2019

WORK EXPERIENCE

Virginia Polytechnic Institute and State University	Blacksburg, VA
<i>Graduate Research Assistant</i>	<i>Jun. 2022 - Aug. 2022</i>
<ul style="list-style-type: none">Built up a wikiHow instrumental video datasetResearched about inductive/abductive reasoning, induced knowledge from language models, extracted video knowledge	
National Center for High-performance Computing	Taichung, Taiwan
<i>Research Intern</i>	<i>Jun. 2019 - Jul. 2019</i>
<ul style="list-style-type: none">Built up a boat images dataset and researched YOLO2 and computer vision papers	
National Changhua University of Education	Changhua, Taiwan
<i>Research Assistant</i>	<i>Jan. 2018 - Jan. 2019</i>
<ul style="list-style-type: none">Finished the Ministry of Science Technology project and researched the blockchain applications papers	

TEACHING EXPERIENCE

Virginia Polytechnic Institute and State University	Blacksburg, VA
<i>Graduate Teaching Assistant</i>	
<ul style="list-style-type: none">CS3114 Data Structures and Algorithms	Fall 2022

ACADEMIC ACTIVITY

VT CS4824 Machine Learning Project	Blacksburg, VA
<i>News Category Prediction</i>	<i>Mar. 2022 - May. 2022</i>
<ul style="list-style-type: none">Implemented Naive Bayes, Bag of Words and TF-idf with scikit-learn to predict unknown news	
NCUE Undergraduate Senior Project	Changhua, Taiwan
<i>Data Distribution Strategy With High Computational Efficiency In Spark</i>	<i>Feb. 2019 - Apr. 2019</i>
<ul style="list-style-type: none">Deployed a distribution system on Hadoop	
Ministry of Science and Technology Research Project	Changhua, Taiwan
<i>Research On The Necessity Of Combining Blockchain Technology With Industrial Technology</i>	<i>Jan. 2018 - Jan. 2019</i>
<ul style="list-style-type: none">Developed the cryptocurrency and smart contract	

PUBLICATIONS

<ul style="list-style-type: none">Application of LSTM Neural Network in Stock Price Movement Forecasting with Technical Analysis Index	IAM2020
Ting-Chih Chen and Chin-I Lee	