YICHENG CAI

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EDUCATION

Penn State University — Pennsylvania, United States
Ph.D. in Informatics — *Aug. 2024 (Incoming) - Today*

Sichuan University — Sichuan, China
M.E. in Cybersecurity — *Sep. 2021 - Jun. 2024 (Expected)*

Sichuan University — Sichuan, China
B.E. in Cybersecurity (**Rank: 1/130**) — *Sep. 2017 - Jun. 2021*

ACADEMIC EXPERIENCE

National University of Singapore — Singapore
Visiting Student — *Jul. 2019 - Aug. 2019*

- Studied the application of smart contract to solve the difficulties in crediting for small upstream firms in supply chains, then designed a poster to demonstrate the results
- Literature review on the problems existing in supply chain finance and analyzed the relations between entities, including providers, core enterprises, banks, logistics, etc.
- Conceptualized the idea of credit token and devised a policy to prevent repudiation of crediting, apart from the guaranteed confidentiality, integrity and availability from blockchain
- Open Source: Poster

Massachusetts Institute of Technology — United States of America
Visiting Student — *Jan. 2024 - Feb. 2024*

- Participate in interactive classroom learning about innovation, negotiation, and leadership
- Complete a PBL project as the team leader and create a poster on the topic of personality detection from human faces
- Open Source: Poster

HONORS AND AWARDS

First Class Merit Based Fellowship (Top 3%)	*Sep. 2021 - Jun. 2024*
Honor Graduate of Sichuan Province (Top 3%)	*2021*
Yongzhuang Top Ten College Student Scholarship (**Top 1%**)	*2021*
Second Class Merit Based Scholarship (Top 4%)	*2019, 2020*
National College Student Information Security Contest (**First Prize, Most Recognized in China**)	*2020*
National Undergraduate Training Program for Innovation and Entrepreneurship (Excellent)	*2020*
China Qulian Blockchain Development Competition (Second Prize)	*2019*
China College Students' "Internet+" Innovation and Entrepreneurship Competition (Bronze Award)	*2019*
National Scholarship (**Top 1%, Most Recognized in China**)	*2018*
First Class Merit Based Scholarship (**Top 1%**)	*2018*

PUBLICATIONS

- Fengyuan Liu, Haizhou Wang, **Yicheng Cai**, Wenxian Wang, Lijun Zhou, Rui Tang, Xingshu Chen. Enhanced Representation Learning for Evolutionary Social Bot Detection by Combining Heterogeneous Information Fusion and Multi-Scale Feature Filtration. *(In Submission)*

- **Yicheng Cai**, Haizhou Wang, Hao Cao, Wenxian Wang, Lei Zhang, and Xingshu Chen. Detecting Spam Movie Review under Coordinated Attack with Multi-View Explicit and Implicit Relations Semantics Fusion. *(Under Review)*

- **Yicheng Cai**, Haizhou Wang, Huali Ye, Yanwen Jin, Wei Gao. Depression Detection on Online Social Network with Multivariate Time Series Feature of User Depressive Symptoms, in *Expert Systems with Applications* (**ESWA, Impact Factor: 8.5**), 217(119538), 2023.

PATENT

- Haizhou Wang, Fengyuan Liu, **Yicheng Cai**, Xinshu Chen, Wenxian Wang, Wenyi Tang, Rui Tang. *An End-to-end Virtual Social Robot Detection Method Based on Multimodal Information Fusion*, C.N. Patent Number: ZL 202311230748.6, 2023.

- Haizhou Wang, Xinyu Chen, Liang Ke, Yixuan Fang, Sen Wang, **Yicheng Cai**, Wenxian Wang. *A Cantonese Rumor Detection Method Based on Deep Semantic-Aware Graph Convolutional Network*, C.N. Patent Number: ZL 202210371266.1, July 2022.