Xiaohan Ding

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EDUCATION

George Mason University	*Fairfax, VA, United States*
Master of Computer Science (Concentration in Machine Learning)	*08/2019 - present*
Overall GPA: **3.67/4.0**	
University of Jinan	*Jinan, Shandong, China*
Bachelor of Engineering in Network Engineering,	*08/2014 – 06/2018*
Cumulative GPA: **3.58/4.0; 88.82/100**	
First-class merit-based scholarship for 2017, 2018; Excellent Graduation Thesis	
Southeast University	*Nanjing, Jiangsu, China*
Online Course (one credit)	*04/2017– 05/2017*

PUBLICATION

[6]. Gheorghe Tecuci [1,2], Dorin Marcu [1], Anya Parekh [1,3], **Xiaohan Ding** [1,2]. sInvestigator: Facilitating Inquiry-based Teaching and Learning of Critical Thinking Skills. *Innovations in Teaching and Learning Conference, George Mason University*, September 21-25, 2020.

[5]. (under review) Xu Wu, Xin Zhao, Lin Wang, Bo Yang, Mazharul Islam, **Xiaohan Ding** and Xiaojing Zhang. Estimation of Water-cement Ratio of Hardened Cement Paste Based on Microstructure Image and Convolutional Neural Network. *2021 4th International Conference on Circuits, Systems and Simulation* (ICCSS 2021).

[4] (under review) Yuyang Cai, **Xiaohan Ding**, Wei Li, Dunyu Liu, Jun Chen, Mingguo Ni, Kailong Xu, Jing Jin. Removal and recovery of SO2 and NO in oxy-fuel combustion flue gas by calcium-based slurry. *The 2020 5th International Conference on Advances in Energy and Environment Research* (ICAEER 2020).

[3]. Kun Liu, **Xiaohan Ding**, Jinmin Jiang and Hui Sun. Design and Development of Management Information System for Research Project Process based on Front-end and Back-end Separation. *The presentation at the 2017 International Conference on Computing Intelligence and Information System*, paper ID: CIIS 1109.

[2]. Kun Liu, Kun Ma, and **Xiaohan Ding**. Design of Teaching Aid System based on WeChat Public Platform. *Advances in Social Science, Education and Humanities Research*, ISSN 2352-5398, paper ID: C332.

[1]. Kun Liu, Hanjing Liu, and **Xiaohan Ding**. The Application of Data Mining Technology in Data Service of Micro Service Architecture. *International Journal of Technology Management*, ISSN 2309-477X.

RESEARCH EXPERIENCE

Graduate Research Assistant (Learning Agents Center)	*George Mason University*
Supervised by Professor **Gheorghe Tecuci**, George Mason University	*06/2020 -- present*

- Created Evidence-based Reasoning research
- Help students develop critical thinking skills in addressing scientific problems
- Formulate competing hypotheses to answer a scientific inquiry
- Test the hypotheses based on the discovering evidence

Data Analysis of COVID-19 based on Different Factors in USA	*George Mason University*
Supervised by Professor **Jessica Lin**, George Mason University	*03/2020 -- 06/2020*

- Created Infectious Disease Model

- Created regression model with policy analysis and predictive model
- In-depth analysis of the impact factor intensity based on PDP

Online Detecting Malicious Mobile Apps based on Network Traffic Analysis *University of Jinan*

Supervised by Professor **Zhenxiang Chen**, University of Jinan *02/2017--12/2017*

- Participated in designing cluster-based Android network traffic collecting platform
- Collected 1tb mobile data traffic
- Applied automatic facilitation technology to the activity components during the traffic collecting process

Development of Enterprise Asset Information Management System *University of Jinan*

Supervised by Professor **Liu Kun**, University of Jinan *09/2016-12/2017*

- Responsible for developing Android asset information display system
- Designed splash screen and UI & Wrote jump routine for each activity

Development of Postgraduate Teaching Management System *University of Jinan*

Supervised by Professor **Liu Kun**, University of Jinan *12/2014-12/2015*

- Engaged in system performance test and analysis
- Involved in post-improvement of system, including UI furnishing, art design, and code perfection
- Obtained software copyright

INTERNSHIP EXPERIENCE

Jinan Kingmon Information Technology Co., LTD *Jun.-Oct. 2018*

- Position: Internet Programmer
- Engaged in developing the Student Capability Data System
- Learned blockchain technology and its applications

OTHER EXPERIENCE

MIT & CASC Leadership Summer Camp *University of California, Santa Barbara*

MIT Sloan School of Management; University of California, Santa Barbara *Summer 2016*

- Proposed an idea of developing a healthy diet APP for calorie controlling and completed its UI design within the team
- Promoted personal goal setting, time management, project planning, teamwork, and communication skills
- Attended a three-day staff development program

HONORS

- Best graduation thesis of University of Jinan *2018*
- First-class merit-based scholarship for *Fall 2017* semester, *Summer 2018* semester *2017,2018*
- The third place in Qilu Software Competition (Regional) *10/2017*
- "Most popular individual" award and the third-place award in *National Internet Software Design Competition* for College Students *04/2017*
- Certificate for EMC Academic Associate, Information Storage and Management *2016*
- The best debater in school debate competition (Team leader of school debate team) *2014*

COMPUTER SKILLS

Android, Java, JavaScript, MySQL, Solidity, Python, Blockchain, Spark