Wen-Hsing Huang

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EDUCATION

University of Illinois Urbana-Champaign 08/2022 - 12/2023 (Expected)
Master of Computer Science Champaign, IL

- **Coursework**: Distributed Systems, Topics in Software Engineering, User Interface Design

National Central University 09/2018 - 06/2022
Bachelor of Science in Computer Science and Information Engineering Taoyuan, Taiwan

- **GPA**: 3.98 / 4.0, **Rank in Dept.**: 1^{st} / 104
- **Coursework**: Data Structure, Algorithms, Operating System, Computer Organization, Computer Network
- **Awards**: Phi Tau Phi honorary member, 3x ICPC regional contest Bronze Award, SHUN-I CHU ZyXEL Scholarship (ca. $3600), Scholarship for Excellence (ca. $700), 6x Honor for Academic Excellence (ca. $200)

WORK EXPERIENCE

Microsoft 07/2021 - 01/2022
Program Manager Intern | BingAds AdInsight Team Taipei, Taiwan

- Empowered feature crews monitoring product demand and OKRs by building an auto-update report.
- Established data pipeline through scripting in internal NoSQL database and Azure Data Explorer.
- Analyzed big data and designed insightful data visuals by Power BI.
- Conducted data analysis on production data alerts to identify problems and summarized reports for developers.

Institute of Information Science, Academia Sinica 07/2020 - 08/2020
Research Assistant Taipei, Taiwan

- Implemented simulation program of Multicast Rerouting and Update Scheduling Algorithm for experimenting in the new scenario.
- Conducted experiments using a simulation program that established the necessary baselines for the paper "Multicast Traffic Engineering with Segment Trees in Software Defined Networks".

National Central University 03/2020 - 06/2021
Undergraduate Research Assistant | Wireless Ad-Hoc and Sensor Networks Lab Taoyuan, Taiwan

- Cooperated with the Industrial Technology Research Institute (ITRI) to develop a self-driving system.
- Decreased 45% of identity switches by integrating higher performance detection-based tracking solution into system.
- Revised data pipeline of an open-source trajectory prediction project to retrain its model to adopt new datasets.

PUBLICATION

Chia-Yu Lo, **Wen-Hsing Huang**, Ming-Feng Ho, Min-Te Sun, Ling-Jyh Chen, Kazuya Sakai, Wei-Shinn Ku, "Recurrent Learning on PM_{2.5} Prediction Based on Clustered Airbox Dataset"
in **IEEE Transactions on Knowledge and Data Engineering**.

SKILLS

Programming Languages: C/C++, Python, Java, Matlab, SQL, HTML/CSS, Assembly, LaTeX
Tools: Git Version Control, Power BI
Languages: English (fluent), Mandarin (Native)