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} / 110
* **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 analyzing big data, establishing data pipeline through scripting in internal NoSQL database and Azure Data Explorer, and designing Power BI report that automatic refreshing.
* Conducted data analysis on production data alerts to identify problems and summarize reports for developers.

Institute of Information Science, Academia Sinica 07/2020 - 08/2020
Part-time 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

Languages: C/C++, Python, Java, Matlab, SQL, HTML/CSS, Assembly, LaTeX
Tools: Git Version Control, Power BI