Chun-Wei Chiang

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(304) 276-6228

Research Area: Human-AI interaction, Machine Learning Application

Education

Ph.D. Student in Computer Science, Purdue University Expected 05/2024

GPA: 3.75
Research Area: Human Computer Interaction and Machine learning
Selected Coursework: Human-AI Interaction, Natural Language Processing

M.S. in Computer Science, West Virginia University 08/2016 - 08/2018

GPA: 3.78
Thesis title: Blockchain For Trustful Collaborations Between Immigrants, Citizens, And Governments
Selected Coursework: Advanced Data Mining, Deep Learning, Application of Neural Network

Bachelor of Business Administration in information management, National Central University 09/2008 - 06/2012

Skills

Programming /Scripting Languages	Python, Java, R, JavaScript, HTML, Android
Framework and tools	TensorFlow, PyTorch, Vue.js, Django, Git
Languages	English, Chinese

Professional Experience

Graduate Teaching Assistant, Purdue University 01/2020 - present

- Conducted an empirical study to assess users' behavior and trust in machine learning models when deploying AI aids in real-world scenarios.
- Proposed interactive user guide to help laypeople have appropriate trust in the AI system and implemented by vue.js and Django.
- Teaching: OOP in Java, Introduction to Data Science, Data structure and Algorithms

Graduate Research and Teaching Assistant, West Virginia University 01/2017 - 12/2019

- Implemented a Google Chrome extension in Python and JavaScript to train crowd workers to speed up on Amazon Mechanical Turk by saving 31.6% of working time.

Co-founder, Covoir 01/2019 - 08/2019

- Co-founded a startup developing decentralized Oracle service providing reliable off-chain data to the smart contracts on blockchains, which raised more than $50,000 from accelerators.

Software Engineer, Cateno 02/2018 - 12/2018

- Develop an Initial Coin Offer (ICO) Governance application on Ethereum using web3.py to connect the blockchain network to the local server and allow users to monitor the ICO on the blockchain network through the server.

Software Engineer, Mitake Information Inc. 11/2014 - 06/2015

- Developed and maintained 8 stock exchange Android applications for stockbrokers by using Android SDK (with 300,000 times+ of downloads).

Honor & Grants

- Best Poster Honorable Mention, The World Wide Web Conference (WWW'19) 2019
- 1st place at pitch competition (~ USD 5,000), MouseBelt Blockchain Accelerator 2018
- Travel Grant (~$1,700 USD), HCOMP 2018

Selected Publications

Co-authored twelve peer-reviewed publications, including CSCW, IUI, and WWW.

- **Chun-Wei Chiang**, and Ming Yin. "Exploring the Effects of Machine Learning Literacy Interventions on Laypeople's Reliance on Machine Learning Models." 27th Annual Conference on Intelligent User Interfaces 2022. (IUI). 2022.
- **Chun-Wei Chiang**, and Ming Yin. "You'd Better Stop! Understanding Human Reliance on Machine Learning Models under Covariate Shift." 13th ACM Web Science Conference 2021. (WebSci), 2021.