

Chun-Wei Chiang

Research Area: Human-AI interaction, Machine Learning Application

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☎ (304) 276-6228

Education

Ph.D. Student in Computer Science, Purdue University 02/2020 - 05/2024

Research Area: Human Computer Interaction and Machine learning

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

Thesis title: Blockchain for Trustful Collaborations Between Immigrants, Citizens, And Governments

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, Mandarin

Professional Experience

Graduate Researcher Assistant & Teaching Assistant, Purdue University 01/2020 - present

- Conduct empirical studies to assess users' behavior and trust in machine learning models in real-world scenarios.
- Design and assess different mechanisms (e.g., model transparency and interactive user tutorial) to help people work with AI appropriately and fairly by using Python, Vue, and Django.
- Teaching: OOP in Java, Introduction to Data Science, Data structure and Algorithms

Natural Language Processing (NLP) intern, Brain Technologies 06/2022 – 08/2022

- Implement an online text assistant tool through the latest NLP algorithms to support users in summarizing long documents, translating foreign documents, and semantical searching when they use the Internet.

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, Covoit 01/2019 - 08/2019

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

Software Engineer Intern, 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
- 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.
- **Chun-Wei Chiang**, Anna Kasunic, and Saiph Savage. "Crowd Coach: Peer Coaching for Crowd Workers' Skill Growth." ACM Conference on Computer-Supported Cooperative Work 2018. (CSCW), 2018