# Chun-Wei Chiang

chiang@chunwei.org

Research Area: Human-AI interaction, Machine Learning Application

(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.
- Build web applications through vue.js and Django and deploy them on AWS for online empirical studies.
- Led multiple undergraduate lab courses for class: 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, 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 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.