Chun-Wei Chiang

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Education

Purdue University, West Lafayette, IN   Expected 2024
Ph.D. Student in Computer Science
Research Area: Machine Learning and Human Computer Interaction.

West Virginia University, Morgantown, WV   2018
M.S. in Computer Science
Thesis title: Blockchain For Trustful Collaborations Between Immigrants, Citizens, And Governments

National Central University, Taiwan   2012
B.B.A. in Information Management

Work Experience

Purdue University, West Lafayette, IN   2020 – Current
Graduate Teaching Assistant
- Instructor for the lab of course: Problem Solving and Object-Oriented Programming, leading 36 students weekly. Introduce students to the fundamentals of programming by using **Java** as an example.
- Lead two undergraduate teaching assistants to propose and develop class projects for class: Data Structures and Algorithms. Developed graded applications to auto-grade students' programming projects by **Java** and **JUnit**.

West Virginia University, Morgantown, WV   2017 - 2019
Graduate Research Assistant
- Implemented a Google Chrome extension in **Python** and **JavaScript** to train crowd workers to speed 31.6% up on Amazon Mechanical Turk through peer learning.
- Developed a budget supervision system through blockchain technology to encourage citizens involving in community development with local government.

Covoir, Vancouver, Canada   2019
Co-Founder
- Arrange team to design and build Blockchain oracle service, which provides trustworthy off-chain data to the smart contracts on blockchains in real-time through crowdsourcing and machine learning methods.
- Awarded funding (~$5,000) from MouseBelt Blockchain Accelerator pitch competition, standing out from 60 projects.

Cateno, San Francisco, CA   2018
Founding Engineer
- Led blockchain developing team for building the minimum viable product Initial Coin Offer (ICO) Governance platform on Ethereum.
- Established the server by **Django** and use **web3.py** to connect to the smart contract on the **Ethereum** network.

Mitake Inc., Taipei, Taiwan   2014- 2015
Android Application Engineer
- Developed 8 stock exchange Android applications for stockbrokers by using Android SDK.
- Collaborated with the product management department to diagnose and evaluate customers' requirements, and the application download amount exceeds 300,000 times.

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Award & Grants

• DIS 2020 Special Recognitions for Outstanding Reviews	2020
• 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
• Meritorious Tuition Waiver, West Virginia University	2016

Skills

General	Python, Java, R, Machine learning (TensorFlow), Data analysis, AWS EC2
Web Design	Vue.js, Django, JavaScript, HTML/CSS,
Database	MongoDB, SQLite
Foreign Languages	Mandarin (Native)

Service

Peer reviewer
- ACM CHI 2019 - 2021, ACM CSCW 2018- 2020, ACM DIS 2020, ACM UIST 2019, ACM IUI 2018, Journal of Big Data 2017

Student Volunteer
- IACR Crypto   2018

Leadership
- Webmaster, ACM WVU student chapter   2019

Invited talk
- Lecturer, Android Development Workshop   2019
- Panelist, Startup Societies Summit @ GMU   2018
- Speaker, Campus Party @ Guadalajara   2017

Selected Publications

Ten publications include four first-author publications and six second-author publications.

- **Chiang, Chun-Wei**, Anna Kasunic, and Saiph Savage. "Crowd Coach: Peer Coaching for Crowd Workers' Skill Growth." Proceedings of the ACM on Human-Computer Interaction 2.CSCW (2018): 1-17.
- Savage, S., **Chiang, Chun-Wei**., Saito, S., Toxtli, C., & Bigham, J. (2020, April). Becoming the Super Turker: Increasing Wages via a Strategy from High Earning Workers. In Proceedings of The Web Conference 2020 (pp. 1241-1252).
- **Chiang, Chun-Wei**, Eber Betanzos, and Saiph Savage. "Exploring blockchain for trustful collaborations between immigrants and governments." Extended Abstracts of the 2018 CHI Conference on Human Factors in Computing Systems. 2018.
- **Chiang, Chun-Wei**, et al. "Understanding Interface Design and Mobile Money Perceptions in Latin America." Proceedings of the 8th Latin American Conference on Human-Computer Interaction. 2017.
- **Chiang, Chun-Wei**, Eber Betanzos, and Saiph Savage. "The Challenges and Trends of Deploying Blockchain in the Real World for the Users' Need." Journal of Cyberspace Studies 3.2 (2019): 123-136.