Chun-Wei Chiang

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Education

Purdue University   West Lafayette, IN
Ph.D. Student in Computer Science   *Jan 2020 - present*

West Virginia University   Morgantown, WV
M.S. in Computer Science   *Aug 2016 - Aug 2018*

National Central University   Taiwan
B.B.A. in Information Management   *Sep 2008 - Jun 2012*

Research Experience

West Virginia University   Morgantown, WV
Graduate Research Assistant   Jan *2017 - Aug 2019*

- o Designed and implemented a Google Chrome extension in JavaScript and Python to train crowd workers to speed 31.6% up on Amazon Mechanical Turk through peer learning.
- o Developed a machine learning framework to improve the transparency on Amazon Mechanical Turk and to help crowd workers increase their salary.
- o Prepares and maintains Institutional Review Board (IRB) approvals and correspondence, including amendments and renewals as necessary

Work Experience

Purdue University   West Lafayette, IN
Graduate Teaching Assistant   *Jan 2020 – Present*

- o Lead two undergraduate teaching assistants to propose and develop class projects for class, "Data Structures and Algorithms."
- o Develop graded applications to auto-grade students' Java programming projects by JUnit.

West Virginia University   Morgantown, WV
Graduate Teaching Assistant   *Aug 2019 - Dec 2019*

- o Assisted the head faculty member with instruction material, exams for "Data and Computer Communications."
- o Supervised student examinations and graded work submissions for "Data and Computer Communications" and "Discrete Mathematics."

Covoir   Vancouver, Canada
Co-Founder   *Jan 2019 - Sep 2019*

- o 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.
- o Project the business plan and white paper to direct the team from idea to seed round.
- o Awarded funding (~$5,000) from MouseBelt Blockchain Accelerator pitch competition, standing out from 60 projects.

Cateno   San Francisco, CA
Founding Engineer   *Feb 2018 - Dec 2018*

- o Led blockchain developing team for building the minimum viable product Initial Coin Offer (ICO) Governance platform on Ethereum.
- o Established the server by Django and use web3.py to connect to the smart contract on the Ethereum network.

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Mitake Inc. *Taipei, Taiwan*

Android Application Engineer *Jul 2014- Jun 2015*

- o Developed eight stock exchange Android applications for stockbrokers by using Android SDK.
- o Collaborated with the product management department to diagnose and evaluate customers' requirements, and the application download amount exceeds 300,000 times.

Award & Grants

o Best Poster Honorable Mention, The World Wide Web Conference (WWW'19)	2019
o 1st place at pitch competition (~ USD 5,000), MouseBelt Blockchain Accelerator	2018
o Travel Grant (~$1,700 USD), HCOMP	2018
o Meritorious Tuition Waiver, West Virginia University	2016

Skills

General	Python, Android, Java, R, Machine learning (TensorFlow, Keras), Data analysis
Blockchain	Solidity, web3.js, web3.py, Truffle
Web Design	JavaScript, HTML/CSS, Vue.js, Node.js, Django
Database	MongoDB, MySQL, SQLite
Foreign Languages	Mandarin (Native)

Service

Peer reviewer

o ACM CSCW, ACM DIS	2020
o ACM CSCW, ACM CHI, ACM CHI LBW, ACM UIST	2019
o ACM CSCW, ACM IUI	2018
o Journal of Big Data	2017

Student Volunteer

o IACR Crypto	2018

Student Organization Leadership

o WebMaster, ACM WVU student chapter	2019

Invited talk

o Speaker, Android Development Workshop	2019
o Panelist, Startup Societies Summit @ GMU	2018
o Speaker, Campus Party @ Guadalajara	2017

Selected Publications

- o Research Interests: Human Computer Interaction, Machine Learning, Crowdsourcing, Blockchain
- o Four first-author publications: CSCW (2018), CHI (extended abstract, 2018), CLIHC (2017), Journal of Cyberspace Studies (2019)
- o Five co-authored publications: WWW (second author, 2019; second author, 2020), Human Computation Journal (second author, 2020), DIS (second author, 2019), CI (second author, 2018)