

# PEIYI JIN

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Website | [Google Scholar](#) | [SSRN](#) | Last update: August 11, 2025

## RESEARCH INTEREST

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- Fintech, Digital Economy, Blockchain
- Household Finance, Development Economics

## EDUCATION

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<b>National University of Singapore</b> Doctor of Philosophy in Economics. <i>Ph.D. Dissertation:</i> Essays on Emerging Technologies and the Digital Economy	Singapore Expected 2026
<b>Cornell University</b> Visiting PhD Student in Cornell SC Johnson College of Business	Ithaca, NY, USA 2025
<b>Southwestern University of Finance and Economics</b> B.Sc. in Financial Engineering	Sichuan, China 2020
<b>University of California, Berkeley</b> Visiting Undergraduate in Economics	Berkely, CA, USA 2019

## COMMITTEE

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<b>Sumit Agarwal</b> (Head of committee) Low Tuck Kwong Distinguished Professor of Finance Professor of Economics and Real Estate NUS Business School National University of Singapore Director, Sustainable and Green Finance Institute President, Asian Bureau of Finance and Economic Research <a href="mailto:ushakri@yahoo.com">ushakri@yahoo.com</a>   Phone: (+65) 6516 8119 <a href="https://www.ushakrisna.com/">https://www.ushakrisna.com/</a>	<b>Eswar Prasad</b> Tolani Senior Professor of Trade Policy Professor of Economics Charles H. Dyson School of Applied Economics and Management Cornell University Senior Fellow, Brookings Institution (New Century Chair in International Economics) Research Associate, NBER <a href="mailto:eswar.prasad@cornell.edu">eswar.prasad@cornell.edu</a>   Phone: (+1)607 255 5687 <a href="https://prasad.dyson.cornell.edu/">https://prasad.dyson.cornell.edu/</a>
<b>Ben Charoenwong</b> Associate Professor of Finance (without tenure) INSEAD Affiliated Faculty, NUS FinTech Lab Asian Institute of Digital Finance <a href="mailto:ben.charoenwong@insead.edu">ben.charoenwong@insead.edu</a> <a href="https://sites.google.com/view/bencharoenwong">https://sites.google.com/view/bencharoenwong</a>	<b>Daniel Rabetti</b> Assistant Professor of Accounting and Finance S. Dhanabalan Chair in Quantitative Studies NUS Business School National University of Singapore <a href="mailto:rabetti@nus.edu.sg">rabetti@nus.edu.sg</a>   Phone: (+65) 6516 1678 <a href="https://www.danielrabetti.me/">https://www.danielrabetti.me/</a>

## RESEARCH

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- **1. Consumption Not Less but Greener: Evidence from Residential Utility Digitalization** *draft available upon request.* **Job market paper**, solo
- **Keywords:** Real-time Feedback, Digital Salience, Household finance, Behavioral nudges
  - **Abstract:** This paper evaluates the impact of app-based real-time feedback on residents' energy consumption and broader consumer behavior, leveraging a quasi-experimental rollout of Home Energy Management Systems (HEMS). Using high-frequency transaction data and a Difference-in-Differences framework, we find that treated residents reduce utility usage by approximately S\$21.05 per resident per month. We show that these behavioral responses are not driven by saving incentives but by increased attentiveness through real-time usage visibility. While total spending remains unchanged, the intervention induces spillovers across behavioral domains, including greater substitution of digital for paper-based products, lower consumption of carbon-intensive foods, and reduced taxi usage. The findings are consistent with a goal reinforcement mechanism, whereby salient digital signals activate pro-environmental identities. We also document significant geographic spillovers among untreated residents

living near treated communities or along shared transit infrastructure, suggesting peer influence and observational learning.

► **2. Tax Planning, Illiquidity, and Credit Risks: Evidence from DeFi Lending** [\[Full Article\]](#)

with [Lisa De Simone](#) (UT Austin) and [Daniel Rabetti](#) (NUS) (Under review at *Journal of Accounting Research*)

- **Keywords:** Blockchain, Decentralized Finance (DeFi), Financial stability, Taxation
- **Abstract:** This study examines the link between tax-planning-induced illiquidity and credit risks in lending markets. Exploiting an exogenous tax shock imposed on cryptocurrency gains and millions of transactions in Decentralized Finance (DeFi) lending, we document that tax-motivated borrowing strategies to defer capital gains taxes significantly reduce market liquidity. This effect is pronounced among individuals borrowing in stablecoins (a way to monetize returns), those with higher loan-to-value ratios (more risk-averse towards new regulations and typically with larger taxable gains), those with high returns in the underlying asset (representing larger taxable gains), and those holding locked-in assets for over a year (i.e., converting high short-term to lower long-term capital gains tax rates). Using instrumental variable analysis, we provide a plausibly causal relation between tax-planning-induced illiquidity and increased credit risks. A standard deviation increase in tax-induced illiquidity leads to a more than twofold increase in the value of defaulted loans. Our results remain robust across a battery of checks, including analyses of subsamples of highly tax-sensitive borrowers, and align with well-documented tax awareness periods. Overall, our insights are relevant to market participants, assist in estimating revenue losses for tax authorities, and inform emerging policies on the tax treatment of digital assets.
- **Selected conferences and talks:** International Monetary Fund (IMF) Workshop in Digital Money and Taxation (2025); Hawai'i Accounting Research Conference (HARC, 2025); Tokenomics Conference (2024); Workshop on the Economics of Technology and Decentralization at Waseda University; National University of Singapore; Cornell–Tsinghua Summer Finance Institute; IESE Barcelona Tax Conference; IC3 Blockchain Camp at Cornell Tech; Finance and Accounting Annual Research Symposium; Research Symposium on Finance and Economics; Bank of Finland; European Systemic Risk Board; Conference in AI and Systemic Risk Analytics; Swiss National Bank Conference on Cryptoassets and Financial Innovation; Euroasia Conference; Hong Kong University Summer Conference; Bank of Japan; FeAT International Conference on Artificial Intelligence; Tsinghua University (SEM and PBC, 2024); Singapore FinTech Festival; 14th Financial Markets and Corporate Governance Conference; AI Global Finance Research Conference (Ho Chi Minh City, 2023).

► **3. Crypto Capture of Foreign Aid** *draft available upon request*

with [Sumit Agarwal](#) (NUS), [Eswar Prasad](#) (Cornell), and [Daniel Rabetti](#) (NUS)

- **Keywords:** Foreign aid, Money laundering, Tax haven, Cryptocurrency, Blockchain forensics
- **Abstract:** This paper investigates whether cryptocurrencies have emerged as a new channel for laundering diverted foreign aid. Using World Bank disbursement data from 2018 to 2024, linked with forensically tagged Bitcoin transactions and off-chain exchange data, we document systematic surges in anonymous crypto transactions after aid disbursements, especially through exchanges in tax haven jurisdictions. A one-standard-deviation increase in lagged aid is associated with a 0.51 log-point rise in anonymous transactions on tax haven exchanges—about a 66% increase—concentrated in newly created wallets and fading within two quarters. Our network and IV analyses highlight crypto's rising role in offshore concealment.

## SELECED WORKING IN PROGRESS

► **1. Financial Sustainability and Cognitive-Mental-Physical Health Outcomes Among Older Adults in Singapore: Evidence from a Population-Based Study** *draft available upon request*

with [Sumit Agarwal](#) (NUS), [Roger Ho](#) (NUS), and [Yen Teik Lee](#) (NUS) (Under review at *BMJ Public Health*)

- **Keywords:** Financial Sustainability, Aging Economics, Health and Economic Outcomes, Bankruptcy Risk, Behavioral Economics, Public Policy

► **2. Credit Networks and Data Sharing: An Evaluation of Cooperative Lending** [\[Full Article\]](#)

with [Sumit Agarwal](#) (NUS) and [Hsin-Tien \(Tiffany\) Tsai](#) (NUS)

- **Keywords:** Open banking, Privacy-preserving AI, Credit risk
- **Selected conferences and talks:** 29th International Conference on Computing in Economics and Finance (CEF), (Nice, 2023), Asian Meeting of the Econometric Society, Tsinghua University, (Beijing, 2023)

► **3. Privacy and Financial Inclusion in Credit Markets: A Fintech Lenders' Perspective** [\[Slides\]](#)

with [Sumit Agarwal](#) (NUS), [Pulak Ghosh](#) (IIMB), [Shohini Kundu](#) (UCLA), [Nishant Vats](#) (WUSTL), and [Xinbo Wang](#) (NUS, PhD Student)

- **Keywords:** FinTech, Privacy Regulation, Financial Inclusion, Credit Access, Alternative Data, Consumer Credit, Social Collateral

- **4. LLM in a Recruiting Position: Bias Mitigation** *draft available upon request*  
with [Lin Xu](#) (NUS, PhD Student) and [Bingchen Wang](#) (Oxford, MPhil)
- **Keywords:** Large Language Models, Algorithmic fairness, Human-AI interaction, Computational Social Science
- **5. Noncognitive Development and Peer Networks: Experimental Evidence on Chinese Rural Boarding School Students** [\[Slides\]](#) with [Yue Li](#) (UCL, PhD Student)
- **Keywords:** Random Control Trial, Peer effects, Social networks, Cost-benefit analysis
- **Selected conferences and talks:** Royal Economic Society Annual Conference (Birmingham, 2025), Stone Centre Conference on Education and Inequality (London, 2025), Janeway Institute Cambridge PhD Workshop on Economic Networks (Cambridge, 2025), 2025 Young Economists Society Chengdu Forum (Chengdu, 2025), The Society of Labor Economists Annual Meeting (Oregon, 2024), European Association of Young Economists Annual Meeting (Paris, 2024), IFS–UCL–LSE/STICERD Development WiP Seminar (London, 2024), China Economic Association Europe/UK Annual Conference (London, 2024), UCL PhD Seminar (London, 2024), and NUS Applied Economics Student Workshop (Singapore, 2023).

## TEACHING EXPERIENCES

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|---|------|
| ► Teaching assistant, Money and Banking, undergrad level, NUS                 | 2023 |
| ► Teaching assistant, Money and Banking, undergrad level, NUS                 | 2022 |
| ► Instructor, Junior Achievement Economics Workshop, high school level, SWUFE | 2017 |

## HONORS

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| ► Research Funding, Asian Institute of Digital Finance, NUS (SGD 160K)<br><b>Project:</b> Examining the Effects of Digital Private Information Exposure on Fintech Lender and Borrower Behaviors | Jun.2024-Jun.2025 |
| ► Research Scholarship, Department of Economics, NUS   | Aug.2024-Aug.2025 |
| ► Research Scholarship, Ministry of Education (MOE), Singapore   | Aug.2020-Aug.2024 |
| ► Undergraduate Exchange Scholarship, SWUFE  | Jan.2020-May.2020 |
| ► Outstanding Undergraduate Exchange Students, China Scholarship Council (CSC)   | Aug.2018-May.2019 |
| ► Academic Scholarship (SWUFE)   | Sep.2017-Jun.2018 |

## ACADEMIC SERVICE

Reviewer for Review of Corporate Finance, Hawaii Accounting Research Conference