

Baikun (Leon) Leng

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EDUCATION

The Chinese University of Hong Kong, Shenzhen

Shenzhen, China

B.S. in Data Science and Big Data Technology

Sep 2020 – May 2024

- **Relevant Courses:** Optimization, Operations Management, Machine Learning, Econometrics, Probability and Statistics
- **Honors:** Muse College Distinguished Graduate (2024), School of Data Science Graduation Honorable Mention (2024), Undergraduate Research Award (2022), Top Master's List (2021-2022), University Leadership Award (2021-2022), School of Data Science Outstanding Contribution Award (2021-2022), Dean's List (2020-2021)

The University of California, Berkeley

Berkeley, CA

Visiting Student

Aug 2022 – May 2023

- **Relevant Courses:** Introduction to Data Modeling, Statistics and System Simulation (Ph.D. level), Applied Stochastic Process (Ph.D. level), Frontiers in Revenue Management (Ph.D. level), Simulation for Enterprise-scale System, Efficient Algorithms and Intractable Problems, Data Structures
- **Honors:** Undergraduate Research Apprentice Program Admission (Top 2%)

University of Washington, Seattle

Seattle, WA

Ph.D. Student, ISOM Department, Foster School of Business

Sep 2024 – May 2029

- **Relevant Courses:** Micro Economy, Mathematical Programming, Stochastic Models for Research in Business Management
- **Honors:** Boeing Endowment for Excellence/Fellowships

RESEARCH EXPERIENCE

Fairness in Blockchain-Enabled Insurance Adoption (In Progress)

Remote

Supervisor: [Rowena Gan](#), Southern Methodist University

Jun 2023 – Present

- Aimed to optimize token distribution strategy among multiple agents such as insurance buyers, underwriters, and claim assessors in blockchain insurance, balancing between maximizing platform revenue and upholding different fairness standards within a mutual pool framework
- Conducted an in-depth analysis of top market-cap blockchain insurance projects, focusing on their whitepapers and economic models, which provided critical insights into the prevailing blockchain insurance ecosystem [[View Slides](#)]

Two-stage Pollution Regulation of Competitive Carbon Markets [[View Slides](#)]

Shenzhen, China

Supervisors: [Costas Courcoubetis](#) & [Jiaqi Lu](#), CUHKSZ

June 2022 – Dec 2023

- Aimed to construct an optimal firm policy in the carbon market based on investment, production, and pollution abatement
- Divided the policy into two stages: an investment stage (resulting in high/low abatement ability) and a production stage (in which firms can decide their optimal production quantity and pollution abatement level), to maximize whole process profits under the constraints of pollution regulation
- Utilized the concept of Nash equilibrium to delineate equilibrium boundaries in the investment stage for N firms as functions of emission cap and cost and visualized how the equilibrium outcomes shift by plotting the boundary curves in Python
- Conducted numerical tests via Python and theoretical proof via Mathematica to show the existence and the number of multi-equilibriums, revealing that the asymptotic behavior converges rapidly as the number of firms increases

WORKING EXPERIENCE

US Arctic Research Commission (USARC)

Berkeley, CA

Data Analyst Intern

Feb 2023 – May 2023

- Collaborated with the U.S. Arctic Research Commission to investigate the intricate dynamics of Arctic cooperation among the U.S., Russia, and China
- Collected data from NASA/NSF datasets, cleaned the data, and performed exploratory data analysis (EDA)
- Showcased research insights through a comprehensive report and an on-campus academic poster session [[View Poster](#)]

Nothing Research Co., Ltd. (Venture Capital)

Remote

Blockchain Researcher & Investment Analyst Intern

Jan 2023 – Apr 2023

- Responsible for conducting research on the blockchain industry and sourcing A-round projects to help investment decisions
- Authored an eighty-page presentation, "The Dawn of Web3: Unveiling the Blockchain Universe" [[View Slide](#)]
- Created multiple tools and frameworks for interns and blockchain newcomers, such as the "case analysis memo," a project sourcing guide, and the "How to Find Data in Web3" resource, facilitating efficient industry navigation
- Collaborated with the Nex Gen Venture Team to author "Our View on 2023 and Beyond" [[View Report](#)], featuring ten pivotal points that cover all subfields of the blockchain ecosystem
- Authored a detailed "Y2K Finance" analysis [[View Report](#)], providing mathematical and financial insights

SERVICES & ACTIVITIES

Crypto and Blockchain Economics Research Forum ([CBER](#))

Database Administrator

Remote

June 2023 – Present

- Created a database of blockchain-related papers from UTD-24 and top-5 Econ journals, detailing features such as journal name, relevant areas, keywords, and citation count
- Be supervised by Prof. Gerry Tsoukalas. Continuously responsible for updating new publications

School of Data Science Undergraduate Seminar (SDS-US)

Shenzhen, China

Founder & Organizer

Feb 2022 – Aug 2022

- Hosted globally renowned researchers and professors to deliver talks tailored for undergraduate students, aiming to educate, guide, and foster their understanding of diverse fields and cultivate their research interests [[View Past Talks](#)]
- Set up an online platform to help CUHK-SZ students find potential RA/Intern positions [[View Website](#)]