

Richard Chen

Ph.D. Student - University of Chicago, Harris School of Public Policy

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Education

Ph.D. in Public Policy
University of Chicago, Harris School of Public Policy
2024 – 2030 (Expected) Chicago, IL

BA in Computer Science and Physics
University of California, Berkeley
August 2017 – May 2021 Berkeley, CA
GPA: 3.71/4

Relevant Coursework: Machine Learning, Deep Neural Networks, Computer Vision and Computational Photography, Analytical Mechanics, Probability and Random Processes, Efficient Algorithms and Intractable Problems, Quantum Mechanics, Computational Color

Previous Employment

NYU Stern School of Business, Dept of Economics
Research Assistant
Aug 2022 - June 2024 New York, NY

- Research Assistance with Professors Christopher Conlon, Paul Scott, and Michael Dickstein in the empirical IO group

Goldman Sachs, Quantitative Investment Strategies
Strategist
July 2021 - July 2022 New York, NY

- Created carbon emissions divestment screen
- Designed Impact Metrics analysis for portfolio analysis
- Deployed automated python web interface for internal portfolio analysis tools
- Forecasted country GDP using Google Trends data

Rokid R-Lab
Computational Imaging Intern
May 2019 - August 2019 San Carlos, CA

- Implemented deep learning CNN for Super Resolution in camera optics to improve picture quality by 2x
- Created multi-frame Super Resolution with sub pixel registration

NBA Dallas Mavericks
Basketball Analyst Intern
January 2019 - May 2019 Dallas, TX

- Created visualization tool for player shooting trends
- Built and deployed web application on AWS for data analytics team
- Employed statistical techniques to interpret trends in Dallas players eagle tracking data

Honors and Publications

- Journal of Thermal Analysis and Calorimetry Publication Co-author 2019
 - “Sample Pattern and Temperature Distribution in Nanocalorimetry Measurements”
- 1st place in Probability and Random Processes class Final Project 2019
 - Designed AI to play out Settlers of Catan, top scorer in over 80 groups
- Regeneron Science Talent Search Competition (Formerly Intel STS), Semifinalist (2017)

Areas of Interest

- Agricultural Economics
- Environmental Economics
- Industrial Organization
- ESG Investing

Skills and Libraries

- | | |
|-----------|-------------|
| • Python | • Pandas |
| • Matlab | • Geopandas |
| • Pytorch | • ESRI/GIS |

Hobbies

- | | |
|---------------|-----------|
| • Basketball | • Reading |
| • Photography | • Running |