Patton Chen

- Phone: (734) 8820 194 - Email: pattonchen@fas.harvard.edu

EDUCATION

Harvard University **Cambridge, MA, USA**
Ph.D in Public Policy (Economics Track) *2025 – Present*

Duke University **Durham, NC, USA**
M.A. Economics *August 2023 – December 2024*

- GPA: 3.9/4.00
- Thesis: Eroding Public Trust in the Police? Analyzing Chicago Police Station Visits Post Shooting Incidents

University of Michigan **Ann Arbor, MI, USA**
Bachelor of Arts in Economics, Minor in History *January 2022 – May 2023*

- GPA: 3.982/4.00 (High Distinction)
- JAMES B. ANGELL SCHOLAR
- Honor societies: Phi Kappa Phi
- Senior Thesis: Size-Limited Top Trading Cycles and w-Chains Mechanism

Australian National University **Canberra, Australia**
Bachelor of Commerce and Bachelor of Finance (Incomplete) *June 2019 – June 2021*

- GPA: 3.93/4.00
- Completed core coursework towards a dual degree in Commerce and Finance
- Transferred to University of Michigan to continue education in Economics

RESEARCH EXPERIENCE

Research Assistant for Prof. Bocar Ba
Department of Economics, Duke University *December 2023 - May 2025*

- Police Alternatives:
  * Cleaned, and organized SafeGraph data into a national-level panel for U.S. census tracts (2021-2023) using R.
  * Supplemented data with demographic information and integrated 911, 311, and crime data for key cities.
  * Analyzed community engagement with law enforcement using (staggered) DiD identification strategy using Stata.
  * Collected, cleaned, and analyzed data for Police Alternative Programs in different cities, and demonstrated the results in plots and writings
- Police Non-Profit Organization:
  * Collected and organized data on police-related nonprofits across the U.S. using R.
  * Created a panel and tested the relationship between nonprofit presence and crime in Chicago using R.
- Public Sentiment on Policing:
  * Conducted robust checks for DiD estimation, sensitivity analysis (Honest DiD), and pretrend tests using Stata.
  * Generated and visualized results for various datasets using R.

Research Assistant for Prof. Jonathan Petkun
Duke University School of Law *May 2024 - Dec 2024*

- Judicial Retirement:
  * Cleaned and organized biographical data of Federal Judges using R.
  * Provided summary statistics and visualizations of judicial retirement trends.
  * Integrated salary data and judicial vacancy records; prepared data for proportional hazards analysis using R.
- Role of Judicial Vacancy :
  * Brainstormed potential effects of judicial vacancies on judge behavior.
  * Researched and collected potential data sources for further analysis

Research Assistant for Prof. Tony Cheng
Sociology Department, Duke University *September 2024 - May 2025*

- Chicago Police and Teacher Union :
  * Summarized key events involving the Chicago Federation of Police and Chicago Teachers Union during the mayoral election period.
  * Applied Natural Language Processing techniques to conduct sentiment analysis, topic modeling, and keyword extraction from various magazines and newsletters.

What Kind of Emergency Response Is Best? Examining the Impacts of Police and Alternative Responses
Co-authored with Bocar Ba, Tony Cheng, Martha Eies and Justin Holz

WORK EXPERIENCE

International Debt Capital Markets Intern
Fangda Partners, Beijing, China   *June 2021 - January 2022*

* Facilitated international debt issuances by drafting and analyzing key legal documents, and conducted due diligence, acquiring a blend of legal and financial analysis skills.

Investment Banking Intern, Financial Institutions Group
Guotai Junan Securities, Guangzhou/Shanghai, China   *August 2020 - January 2021*

* Assisted with IPOs and financial modeling, providing me with insights into corporate finance, economic policy and regulatory policy evaluation.

Management Consulting Intern
EY Advisory, Beijing, China   *July 2020 - August 2020*

* Participated in a digital transformation project, acquiring data analytics skills for business intelligence and strategic decision-making.

Equity Research Intern, Coal Industry
Essence Securities, Shenzhen, China   *May 2020 - July 2020*

* Conducted equity and market analysis, developing a deep understanding of financial market dynamics and company valuation.

SKILLS

- **Statistical Software:** Stata (Advanced), R (Advanced)
- **Programming:** Python (Basic)