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CONTACT INFORMATION	<i>Mobile:</i> +86 15501028599 <i>Email:</i> kerwin.p.lau@gmail.com <i>Website:</i> <a href="https://kerwinliao.github.io/">https://kerwinliao.github.io/</a>
EDUCATION	<b>The Chinese University of Hong Kong, Shenzhen Finance Institute</b> , Shenzhen, China <b>M.Sc. in Economics</b> , November 2019  <b>University of International Relations</b> , Beijing, China <b>B.M. in Administrative Management</b> , July 2014
CERTIFICATES / OTHER EDUCATION	<b>Renmin University of China, Self-taught Education</b> <b>B.A. in Economics</b> , 2020 expected  <b>National University of Singapore</b> , Singapore <b>M.P.P Candidate in Public Policy</b> (Withdrawal due to financial issue), July - Sep. 2014  <b>Stochastic Processes Data Analysis and Computer Simulation</b> <i>edX &amp; KyotoUx: 009x, 2019, Grade: 85</i>  <b>Introduction to Computational Thinking and Data Science</b> <i>edX &amp; MITx: 6.00.2x, 2016, Grade: 82</i>  <b>Introduction to Computer Science and Programming Using Python</b> <i>edX &amp; MITx: 6.00.1x, 2016, Grade: 88</i>
RESEARCH INTERESTS	Organization Changes, Bureaucracy and Power, Applied Microeconomics, Computational Social Science
RESEARCH / PAPERS	<b>“Government’s Dilemma: Hike in the Administrative Costs or Sprawl of Social Nonconfidence”</b> (In Progress, draft available at <a href="https://kerwinliao.github.io/gd.pdf">https://kerwinliao.github.io/gd.pdf</a> ) Advisor: Xiaojian Zhao, Monash University Department of Economics <ul style="list-style-type: none"><li>• Extension of Rotten Kid Theorem, Trigger Strategy to model the Game</li><li>• Focus on Top-up companies’ fraudulent commitments</li></ul> <b>“Web traffic and Merge &amp; Acquisitions”</b> – joint with Weiliang Zhang (PhD student, UIUC Gies Business School) (In Progress) <ul style="list-style-type: none"><li>• Collect and clean mass dataset using Stata</li><li>• Apply Event Study, Poisson Model for empirical analysis</li></ul>

**“Prediction for Morningstar Analyst Rating”, Xiang LIAO (Working Paper)**

- Apply KNN, Naïve Bayes, SVM to set up model for mass data
- Employ R/R-studio to clean data and run algorithms
- Available at <https://ssrn.com/abstract=3442945>
- Distributed in e-journals:
  - Computation Theory eJournal (Vol 2, Issue 56, September 10, 2019)
  - Econometric Modelling: Capital Markets - Asset Pricing eJournal (Vol 8, Issue 106, September 11, 2019)
  - Mutual Funds, Hedge Funds, & Investment Industry eJournal (Vol 11, Issue 155, September 13, 2019)

**“Short-term Effects on Population’s Growth from Immigration in Cities with Implementation of ‘Three Affordably Houses to One’ - Taking Beijing for example”, 2014**

- Outstanding Undergraduate Graduation Thesis Award
- Apply empirical approaches for prediction in population

**“Analysis in Policies of Chinese Housing Affordability and in its Future”, 2013**

- University academic research project

**“Analysis of Evacuating People Living in the Centre of Beijing Policies”, 2013**

- Research paper as Research Assistant of Professor YANG Ka in her project supported by National Social and Scientific Funds for the Young

**AWARDS /  
HONOURS**

**First Class Subject Prize**

The Chinese University of Hong Kong, Shenzhen Finance Institute, 2019

**Outstanding Undergraduate Thesis Award**

University of International Relations, 2014

**Undergraduate Research Grant**

University of International Relations, CNY¥4,000, 2013

**PROFESSIONAL  
EMPLOYMENT**

**Morningstar, Inc., Shenzhen, China**

*Operations Analyst, Level II Support*, 2017.9 – 2018.7

- Analyse and process clients' questions in Direct (functional usage, calculation, methodology)

*QA Automation Engineer, Direct Cloud, Manager Research*, 2015.11 – 2017.9

- Code in Python/Java to implement automation testing scripts
- Analyse and extract performance data collected by python-based automation tool for weekly report

*Data Research Analyst, Global ETF*, 2014.9 – 2015.11

**New Oriental Education & Technology Group**, Beijing, China  
*High School English Lecturer*, 2012.6 – 2013.6  
*Teaching Assistant*, 2012.1 – 2012.5

SKILLS	R, Python, STATA, VBA
HOBBIES	Arts: Cuisine, Classical Music, Ukulele Sports: CrossFit, Basketball, Tennis Readings: Philosophy (Schopenhauer; Kant), Psychology (Carl Jung; Rolle May), Political Science & History (Philip Kuhn; Huntington)
LANGUAGE	English (Fluent) Mandarin (Native)
PERSONAL INFORMATION	Nationality: Mainland China Birthplace: Harbin Birth Date: Dec. 27