

# Chen Chuxin

Mobile Phone: (+1) 437-351-8189

Email: [chuxin.chen@mail.utoronto.ca](mailto:chuxin.chen@mail.utoronto.ca)

Address: 763 Bay Street, Toronto, Ontario, Canada

## EDUCATION

### University of Toronto

Toronto, Canada

*Statistics Major and Economics Major, Major GPA: 3.62/4.0*

Sept 2020 – June 2024

- Relevant Courses: Python Programming, Multivariable Calculus, Ordinary Differential Equation, Linear Algebra, Probability Statistics & Data Analysis, Method of Data Analysis, Survey Sampling & Observational Data, Microeconomics, Macroeconomics, Big Data Tools for Economists, Empirical Industrial Organizations, Data Analysis in Practice, Financial Economics, Applied Econometrics, Applied Statistics, Statistical Methods for Machine Learning

**Awards and Honors:** Dean's List (top 10%), University of Toronto, 2020-2023; 2023 New College In-Course Scholarship

## PROFESSIONAL EXPERIENCE

### Aegon Industrial Security Company

Beijing, China

*OTC Derivatives Team Assistant*

June 2023 – August 2023

- Utilized Python tools to perform Monte-Carlo simulation on OTC derivatives to support pricing decisions.

### China International Capital Corporation

Beijing, China

*Fixed-Income Research Team*

March 2023 – June 2023

- Performed fundamental analysis on firms releasing convertible bonds to support producing firm valuation reports, focusing on the financial indicators and industrial structure.
- Used Python to scrape daily announcements of quoted companies on financial websites to support investment suggestions.
- Reviewed and compared historical trend of Chinese stock market on different periods and wrote analyzed report to provide insights for researchers.
- Participated in document automation project and used Python tools to automatically map the information of options' contract to required excel format.

### Shanghai Jinde Asset Management

Beijing, China

*Summer Intern, Trading Assistant*

Jun 2022 – Aug 2022

- Cooperated with middle office to reconcile daily trading transactions, investigated discrepancies, transfer fund between accounts, and prepare project documentations.
- Used Python tools to scrape weighted composition of stock index options and calculate trading quantity of index options to help traders to balance the volatility hedging gap.

## RESEARCH EXPERIENCE

### Factors Affecting Country's Happiness level: Model Construction, Selection and Validation

Toronto, Canada

*Course Project (Method of Data Analysis)*

September 2022 – December 2022

- Used R language to construct multiple regression models with different variables using 2021 world happiness data. Selected the best fit model by comparing residual plots, AIC, BIC and leverages. Used testing dataset to validate the selected model.
- Delivered insights that factors affecting a country's happiness level are social welfare and GDP per capita.

### NYC Airbnb Data Analysis

Toronto, Canada

*Course Project (Big Data Tool For Economists)*

Jan 2022 – May 2022

- Used Python library pandas, seaborn, soup, geopandas to analyze and visualize Airbnb data in New York in 2019.
- Delivered insights of factors affecting price are location and type of rental, with no impact on minimum nights.

## EXCURRICULAR ACTIVITIES AND LEADERSHIP

### ETC Investment Group

Toronto, Canada

*Equity Researcher*

August 2022 – Present

- Wrote research paper about new electrical vehicle, analyzed industry and market trend; performed analysis on ADAS (advanced driving assistance system) and LIDAR. Individually Produced 4 equity research papers.
- Wrote seasonal report on macro-economic indicators.

### ViewFinder Photography Club

Toronto, Canada

*Leader of Public Relation Group*

August 2022 – Present

- Negotiated sponsorship with restaurants and other educational institutions, raised 9000 dollars to support club activities.
- Organized 2 workshops and 3 club activities that absorbed 20 new club members.

## SKILLS AND OTHER

- Languages: Mandarin(native), English (fluent)
- Skills: Python, R, C++, Data Analysis, Microsoft Offices
- Interests: Badminton, Hiking, Chess, Cycling