Renyi Qu

Phone: +86 15150425862 Email: renyi_qu@keio.jp
LinkedIn: https://www.linkedin.com/in/renyi-qu-6645a8150/

Education

Keio University **Economics (PEARL program)** **Bachelor** 2018/09 – 2022/08

- GPA: 3.97/4.0 (top 1 in class) Subject ranking: QS top100
- Awards: Goldman Sachs Scholars Fund (2019) (10 people only), Keio University Scholarship (2019, 2020), Yamaoka Kenichi Memorial Scholarship (2020) (10 people only), JASSO Honors Scholarship (2018)

Tampere University of Technology **Mathematics & IT** **Bachelor** 2017/08 – 2018/05

- GPA: 4.89/5.0 (top 1 in class)
- Awards: Academic Excellence Award (2017) (1 person only)

Research Experiences

Nakatsuma Research Seminar **Prof. Teruo Nakatsuma** **Dean of Graduate School of Economics of Keio**

- Methods: Bayesian LSTM, Bayesian meta learning, Bayesian SVM, Gaussian Process Regression, Dynamic Linear Model
- Papers (independent):
  - An Investigation of Bayesian Methods in Post-Covid Stock Index Forecasting 2021/04 – 2021/07
  - Graduation Thesis (tbd) 2021/09 – 2022/07

Advanced Cognition Labs **Mr. Peter Romero** **People Analytics Lead of University of Cambridge**

- Contributions: IBM Watson Natural Language Understanding, mathematical modeling, and programming
- Papers (co-author for Mr. Peter Romero):
  - Hoarding behavior and emotional contagion analysis based on Twitter data 2021/03 – now
  - Mass psychometric effects with Bayesian analyses of regime shifts in finite discrete distributions 2021/03 – now

Research Assistance **Prof. Yoann Potiron** **PhD Statistics from University of Chicago**

- Contributions: mathematical understanding and programming
- Papers:
  - Characterization of arrival time densities by boundary-crossing time of Brownian motions (co-author) 2021/04 – now
  - Application of ARIMA-GARCH in TOPIX forecasting (independent) 2020/11 – 2021/01

Work Experiences

Fintech Intern **Safran Group [Fortune 500]** **Suzhou, China** 2020/12 – 2021/02

- I finished 14 RPA (Robotic Process Automation) projects on my own in the Financial Shared Service Center in 2 months with Python and UiPath, which saved 85 labor hours per month. Major contributions include automating repetitive corporate finance operations such as Excel/csv, Outlook, pdf processing, web operations, system operations, and database operations.

Data Engineer Intern **FLUX Inc. [Forbes 30 Under 30 Asia]** **Tokyo, Japan** 2019/04 – 2019/11

- I helped develop the core BI (Business Intelligence) product of the company based on back-end advertisement data in a team with Python. I created a scraping tool that can scrape essential Google ads data from any website, automated data scraping & processing parts for 6 vendors, and assisted the implementation of automatic database interaction part with MongoDB.

Machine Learning Intern **OptoFidelity Oy.** **Tampere, Finland** 2017/10 – 2018/05

- I helped develop an AI pricing tool for used phones with digital screen defects in a team with Python. Major contributions include segment annotation for image data collection, improvement of Python annotation tool code, assistance in the implementation of object detection algorithm. Before completion, the company terminated the project for financial reasons.

Contests

2021 Econometric Game	Participation	Team of 4
2020 Nissan Automobile image classification contest	Top 2	Individual
2020 Otsuka Pharmaceutical time series forecasting contest	Top 3	Team of 5
2020 Bloomberg ESG investment contest	Participation	Team of 3
57th IMO (International Mathematical Olympiad)	4/6 correct answers	Individual

Skills

- **Programming** (descending proficiency order): **Python**, **R**, IBM Watson, C++, Ruby, html/css, JavaScript, Matlab
- **Language**: Chinese (native), English (TOEFL 113), Japanese (JLPT N3)