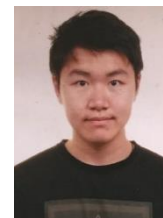


Renyi Qu

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
<ul style="list-style-type: none">GPA: 3.97/4.0 (top 1 in class)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
<ul style="list-style-type: none">GPA: 4.89/5.0 (top 1 in class)Awards: Academic Excellence Award (2017) (1 person only)			

Research Experiences

Bayesian Reinforcement Learning for Stock Return Forecasting / Portfolio Management	2021/04 – 2021/11
<ul style="list-style-type: none">Independent research project supervised by Prof. Teruo Nakatsuma (Dean of Graduate School of Economics of Keio University)	
Hoarding Behavior and Emotional Contagion Analysis based on Twitter Data	2021/03 – 2021/04
<ul style="list-style-type: none">Second author for Peter Romero (People Analytics Lead from University of Cambridge)Major contributions: mathematical method and programming, natural language processing with IBM Watson	
Modeling Mass Psychometric Effects with Bayesian Analyses of Regime Shifts in Finite Discrete Distributions	2021/03
<ul style="list-style-type: none">Second author for Peter Romero (People Analytics Lead from University of Cambridge) (waiting for publication)Major contributions: mathematical method and programming	
Application of ARIMA-GARCH Model for TOPIX Forecasting	2020/10 – 2021/01
<ul style="list-style-type: none">Independent research project supervised by Prof. Yoann Potiron (PhD Statistics from University of Chicago)	

Work Experiences

Data Engineer	Nippon Institute for Research Advancement	Remote	2021/03 – 2021/04
<ul style="list-style-type: none">I created an algorithm that identifies the abnormalities in survey data and converts them into correctly labeled categories. This algorithm provided Prof. Toshihiro Okubo with optimized dataset.			
Fintech Intern	Safran Group [Fortune 500]	Suzhou, China	2020/12 – 2021/02
<ul style="list-style-type: none">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
<ul style="list-style-type: none">I helped develop the core BI (Business Intelligence) product of the company based on back-end advertisement data in a team with Python. Major contributions include a scraping tool that can scrape essential Google ads data from any website, automation of data scraping & processing parts for 6 vendors, assistance in the implementation of automatic database interaction part with MongoDB. All tools were implemented successfully and were still in use after I left.			
Machine Learning Engineer Intern	OptoFidelity Oy.	Tampere, Finland	2017/10 – 2018/05
<ul style="list-style-type: none">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	Ongoing	Team of 4
2020 Nissan Automobile Image Classification Contest	Top 2	Individual
2020 Otsuka Pharmaceutical Time Series Prediction Contest	Top 3	Team of 5
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)