

# LIU, JUNJIE TERENCE

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## EXPERIENCE

Research Assistant

**BNU-HKBU United International College**

📅 Sept, 2020 – Present 📍 China

1. **Project:** ShanXi Province Stroke Data Analysis
2. **Project:** Diabetic Kidney Disease Data Analysis
3. **Project:** Market & Social Media Sentiment Index
4. **Project:** Implementation of Statistical Model and Deep Neural Network in Forex Prediction

Server administrator

**BNU-HKBU United International College**

📅 Sep 2018 – Present 📍 China

**Brief:** Built the first high performance computing cluster: USBC (UIC-STAT Bayes Cluster) in UIC-STAT department

**Wiki of USBC:** <https://www.yuque.com/usbc/usbc-wiki/>

**Tech Stack:** NFS, NIS, SLURM, SHELL

Co-Founder of UICHCC

**BNU-HKBU United International College**

📅 Nov 25, 2017 - Jul, 2020 📍 China

**Brief:** Co-Founder of a student-based tech-oriented group: UICHCC. This group is trying to share knowledge and information on the latest network-based world; holding up seminar on programming language, front-end, internet-based collaborating, cyber-security, etc.

**Website:** <https://uichcc.com>

## INTERNSHIP

Data Analysis and Modeling

**Shenzhen longshunsheng electronic chemical development co. LTD**

📅 Jun 2019 – Sep 2019 📍 China

**Brief:** Establish a time series exchange rate prediction model based on robust local weighted regression as a smoothing method;

**Tools:** R (Package: Shiny, ggplot2)

## AWARDS

**Interdisciplinary Contest In Modeling**

2018

Successful Participant

**China Undergraduate Mathematical Contest in Model**

2018

Winner Prize

## EDUCATION

MPhil in Probability of Mathematical Statistics

**Hongkong Baptist University**

📅 Start from Sep, 2021 📍 Kowloon Tong, HKSAR

Bachelor of Science (Honours) in Statistics

**BNU-HKBU United International College**

📅 Sep, 2016 - Jul, 2020 📍 Zhuhai China

## PROJECTS

**Undergraduate-in-Statistics**

Nov, 2016 – present

**description:** Using Computer with your Statistics Major Course

**Status:** GitHub Stars: 55, Fork: 12

**Website:** [TerenceLiu98/Undergraduate-in-Statistics](https://github.com/TerenceLiu98/Undergraduate-in-Statistics)

**CEDApY**

Mar, 2021 – present

**description:** A macroeconomic data collecting library with python

**Website:** [TerenceLiu98/CEDApY](https://github.com/TerenceLiu98/CEDApY)

## TECHNICAL SKILLS

Python

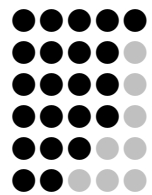
C

CUDA

R

SQL

MQL5



## PUBLICATIONS

- LIU, Junjie, Ken KT TSANG, and Yuhui DENG (2021). "A Variant RSA Acceleration with Parallelization". In: *(in review at) International Journal of Computer Mathematics*.
- LIU, Jun-Jie et al. (2021). "Analysis of main risk factors causing stroke in Shanxi Province based on machine learning models". In: *(in review at) Informatics in Medicine Unlocked*.
- Liu, Jun-Jie, Ken KT Tsang, and Yu-Hui Deng (2020). "Improved Parallel RSA Cryptosystem with GPU for Network Information Security". In: *The International Conference on Natural Computation, Fuzzy Systems and Knowledge Discovery*. Springer, pp. 1061–1068. ISBN: 978-3-030-70665-4.