

Zheng Zhou (Claire)
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EDUCATION

Boston College Morrissey College of Arts and Sciences; Chestnut Hill, MA

B.S. in Computer Science, B.A. in Mathematics

May 2021

- Cumulative GPA 3.80, Rank 83/1644, Dean's List, First Honors (Fall 2018, Spring 2019); CS Major GPA 3.92
- Selected Courses: Probability (A), Computer System (A), Introduction to Abstract Algebra (A)
- Courses in progress: Machine Learning, Operating System, Introduction to Analysis

SKILLS AND CERTIFICATIONS

- Techniques: Python; Java; Rstudio; C; Matlab; Django; Words, Excel, & PowerPoint; Latex
- Languages: Fluent in Mandarin and English
- Certifications: Won the 10% prize in Canada Waterloo Euclid contest and The American Regions Mathematics League

EXPERIENCE

Boston College Department of Computer Science; Boston, MA

May.2019-Present

Research

- Design and update three fault-tolerant Top-k algorithms based on Threshold Algorithm in peer-to-peer system
- Try to prove fault-tolerance properties and process real-world sensor data with appropriate fault model (in simulation)

Research

- Implement a car version of SIR model simulation using SUMO; Design the most efficient spreading model in context of VANET

Zhihuitongcheng Network Technology Co., Ltd; Nanjing, China

Dec.2018-Jan.2019

Intern

- Participated in "Super Web" program which helped enterprises make adapted official websites for mobile clients; recorded group discussions about web manners, modules, and web layout; Served as product manager assistant for web-design of applets lottery

Jiangsu Holly Futures Co., Ltd; Nanjing; China

Jul.2018-Aug.2018

Intern

- Served as Options Research Associate; Analyzed volatility, time period, and contract size for main futures contracts in wind
- Participated in setting deal price of European bean call option for 3 clients and learned how to make hedge for OTC markets

China Merchants Bank; Nanjing, China

Jan.2018

Intern

- Served as financial/lobby manager assistant; Guided 56 VIP clients in making yearly investment of "Zhao Zhao Jin" and gold

Statistic Research; Oberlin, Ohio

May.2018

Research

- Served as a researcher for correlation between obesity rate and fat percentage in the favorite cereal brand in each state of U.S.
- Used randomization method, ran significant test using Rstudio and got positive correlation

Westartin Trader Start-up Program; Shanghai, China

Aug.2016

Intern

- Served as a trader and earned 200 dollars in virtual forex trading; learned MACD and fundamental analysis
- Collaborated on team to study hedge fund and Soros and made a speech; won the Best Group Collaboration Prize

Activities

JCBC Culture Show (Sept.2019 – Nov.2019) : Practice for traditional Japanese fan dance and will perform in November

"Economics in Games" Club (Sept.2017 - May 2018) : Led discussions of 12 members in the economic systems in "Eve"

"Qijiawan" Volunteer Program (Sept.2015-May.2017) : Served as the principal of teaching activity, promulgated the activity and led 32 voluntary English teachers to teach 45 students in primary school for 3 hours every week