CHENKAI WANG

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EDUCATION

Southern University of Science and Technology, China
2022-2024(expected), M.S., Major in Mathematics   GPA 3.60/4.00 (rank: 8/24)

Southern University of Science and Technology, China
2017-2022 B.S., Major in Statistics   GPA 3.03/4.00 (Latest Semester: 3.92/4.00)

AWARDS & HONORS

National Encouragement Scholarship	2020, 2021
Provincial Third Prize in The Chinese Mathematics Competitions	2020
Provincial Second Prize in The Chinese Mathematics Competitions	2021

RESEARCH EXPERIENCE

Prof. Liu Quanying's Lab (Computational Neuroscience)   June 2021

Summer School held by Prof. Liu   *SUSTech, Department of Biomedical Engineering*

- Watched recent talks on neuroscience brain mechanisms and did oral presentations in the lab.

- Learned basic concepts and models in machine learning and statistical learning.

- Read literature about EEG source localization as well as EEG and FMRI signal fusion.

Sample Survey Project: Study conditions for SUSTech Undergraduates   Mar. 2020 – June 2020

Planner and Designer   *Online*

- Conducted an entire sample survey process (include focus group meeting, questionnaire design, pilot study, data collection and analysis, presentation, etc.) to collect the study condition

- Used ANOVA test and paired-samples T test to compare the difference between school study and online study, including assignment and review, sleep and exercise, and class learning.

- Obtained the study conditions of SUSTech undergraduates.

Statistical Linear Model Project: Socioeconomic Factors on HIV   Dec. 2020

Individual Project   *Shenzhen*

- Learned the background information about HIV and its prevalence.

- Fitted the model (include correlation plot, full model, stepwise regression, etc.) to determine the main factors.

- Diagnosed the model in normality, linearity, homogeneity of variance, multicollinearity, and so on.

Time Series Analysis Project: Analysis of Monthly Airline Passenger   Dec. 2019

Group member   *Shenzhen*

- Analyzed data by taking the logarithm, difference, and seasonal difference and drawing corresponding ACF and PACF plots for further analysis.

- Used the ARIMA model to fit the data and calculated the coefficients.

- Diagnosed the model via the residual plot, the residual ACF plot, Q-Q plot, and so on.

INTERNSHIP&ACTIVITIES

Prudential   Jan. 2019

Intern   *Hong Kong*

- Got familiar with the fund information of some investment banks and regulated the fund investment.

- Packaged funds and ran simulations for different years to produce portfolio analysis for the team to use as a reference.

- Collected all kinds of information based on industry integration tools such as PESTEL and the Five Forces Model and provided basic information for the company to make brochures entering other regional markets.

Homecoming   Feb. 2019

Person in charge   *Baoji*

- Took charge of and coordinated the homecoming work of the city, including allocating publicity materials, contacting other schools, online publicity, offline lectures, etc.

- Attracted more than 1000 students to participate.

Love Letter Plank Road in SUSTech   Dec. 2017

In charge of publicity   *Shenzhen*

- Organized and prepared the love letter plank road activity, attracting more than 1,000 people in total.

- Took charge of publicity and writing through the whole activity. The related articles have been read more than 500 times.

MISCELLANEOUS

Standard Tests: CET-4: 533, CET-6: 490, TOEFL: 83, Postgraduate Entrance Exam: 341.

Computer Skills: MATLAB (project experience), LaTeX (project experience), Markdown (project experience), Python(project experience).

Interests: Movies, Reading, Basketball (once played for the school team), Running (half marathon P.B. 206), Fitness, Voluntary Activity(more than 70 hours).