

# Shaoyu Chen

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## EDUCATION

### **Baylor University**

*Bachelor of Science in Mathematics*

*Major: Mathematics*

GPA: 3.69/4.0 (Departmental GPA: 3.80)

**August 2019 - December 2022**

## COURSES TAKEN

- MTH 1322 Calculus II
- STA 3381 Probability and Statistics
- MKT 3301 Marketing Concepts
- MTH 4V90 Entropy and Quantization

## WORK EXPERIENCE

### **Shanghai Cares Biotechnology Co., Ltd.**

**June 2022 - July 2022**

#### *Intern*

- Participate in the statistical design and report writing for clinical trial projects, including participating in the development and review of clinical trial protocols, developing statistical analysis plans, writing statistical analysis reports, etc.
- Develop statistical analysis plans, including statistical analysis methods, algorithmic procedures, definition of derived variables, special data handling methods such as missing data, etc.

### **China Everbright Bank, Suzhou Branch**

**March 2021 – August 2021**

#### *Assistant Lobby Manager and Assistant Loan Account Manager*

Suzhou, China

- Responsible for coaching customers to complete the preparation of documents required for various bank operations and submit them to other relevant departments in a timely manner.
- Assist loan account managers in entertaining loan customers, providing loan application information and guiding customers to fill out relevant content.
- Actively develop and maintain customers, organize and collect customer information, understand the dynamics and needs of customers, promote various bank services and expand market share.

## INDEPENDENT RESEARCH EXPERIENCE

### *Research Topic: Shannon's Entropy*, Department of Mathematics, Baylor University

**2022.09 – 2022.12**

- Led by Prof. Tao Mei, read and studied textbook "A Course in Algebraic Error-Correcting Codes" by Simeon Bal, and conducted a final thesis.
- Gained a rigorous mathematical perspective on error-correcting codes, starting with the basics and progressing through to the state-of-the-art. Learned about entropy and quantification, leading to a research study of Shannon entropy.
- Made a final presentation to the class and wrote an academic paper on the topic.

## HONORS

- Dean's Honors List: Spring 2021 Semester
- Dean's Honors List: Spring 2022 Semester
- College Honors Program

## EXTRACURRICULAR ACTIVITIES

### *Baylor Music Band – Head*

**October 2019-December 2021**

- Recruited members; composed songs; organized weekly rehearsals; communicated within the band.
- Bonded and negotiated with bands from other universities and planned various events for other music lovers.

- Sought performance opportunities from different platforms and encouraged members to participate.

### **SOFTWARE AND LANGUAGE SKILLS**

- Proficient in Word, PowerPoint, Excel, Endnote; Photoshop
- Proficient in C++
- Mandarin Chinese, English (native or bilingual), Japanese (smooth in reading and conversation)