

SONG CHEN

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EDUCATION

University of Illinois Urbana-Champaign

Master of Engineering in Electrical and Computer Engineering

Champaign, Illinois

Aug. 2022 - Dec. 2023(Expected)

Sun Yat-sen University

Bachelor of Engineering in Computer Science and Technology

Guangzhou, China

Aug. 2016 - Jun. 2020

WORK EXPERIENCE

TikTok (ByteDance)

Apr. 2021 - Jul. 2022

Software Engineer, Backend, Full-time - User Growth

• Advertising Data Pipeline and Analytics Dashboard

- * Built a dashboard with over 200 ad-related statistics items using *Golang, MySQL & ClickHouse*, supporting data analysis for **a turnover of more than \$10 million**. Developed a permission control system to ensure data security and implemented a function to save frequently viewed statistics items, enhancing user efficiency and **reducing average user interaction time by 40%**.

• Data Pipeline and Dashboard for Live & Short Video Analytics

- * Developed a data pipeline and interactive dashboard with over 30 live & short video related statistics items using *Golang, MySQL & ClickHouse*, serving **over 20 MCNs** and **more than 1000 creators** in revenue and viewing statistics analysis.
- * **Mentored two interns**, expediting their onboarding process, and guided them in developing modules for *Douyu & Huya* related statistics.

CAMPUS EXPERIENCE

Sun Yat-sen University Tennis Association

Aug. 2017 — Jun. 2018

Technical Department Head

- Conducted basic tennis training for students **with participation exceeding 200**, promoting fundamental knowledge of tennis among them.
- Arranged advanced tennis training for association members, **benefiting over 50 participants**, offering opportunities for members of all skill levels to enhance their tennis techniques.
- Regularly hosted various university-level competitions, providing fair and competitive tennis opportunities **for over 100 students** and fostering stronger bonds among them.

Sun Yat-sen University Winter Recruitment Promotion Team

Jan. 2018

Team Leader of Heyuan Team

- Conducted recruitment promotional activities in Heyuan city during the winter break, **leading over 50 team members across more than 5 high schools** to introduce Sun Yat-sen University to twelfth-grade students. Enhanced the visibility of Sun Yat-sen University and deepened the members' appreciation and understanding of their own institution.
- Shared knowledge and experiences related to the college entrance examination at the schools where the promotion took place. Alleviated the stress of numerous prospective college students and boosted their confidence for upcoming exams.

Sun Yat-sen University Shaoguan Teaching Support Team

Aug. 2017

- Traveled to Shixing County, Shaoguan City, and taught at Fengdu Middle School as an English instructor for two classes, imparting secondary school English knowledge to **around 60 students**.
- Held a variety of sports and activities, including basketball and diverse games, enriching the students' summer vacation.
- Initiated a university knowledge awareness event, promoting extracurricular knowledge to students and enhancing the visibility of Sun Yat-sen University.

SKILLS

Languages: Golang, Python, C, C++, SQL, HQL, Shell

Tools & Frameworks: Git, gRPC, Kafka, Redis, ClickHouse, MySql, Kubernetes, Navicat, Gin, KiteX