

GUAN Mingyu

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EDUCATION

The Chinese University of Hong Kong (CUHK)

Hong Kong

BSc in Computer Science (Elite Stream)

2017 - Present

- **CGPA:** 3.5/4.0
- **Honors:** Rev Mak Shuet Kwong Memorial Scholarship, United College, CUHK (2018)

Sun Yat-Sen University (SYSU)

Guangzhou, China

BSc in Electronic Information Science and Technology (2+2)*

2015 - 2017

- **Average Mark:** 90/100 (Major: 92.3/100)
- **Honors:** SYSU First Scholarship for Outstanding Students (2017); SYSU Second Scholarship for Outstanding Students (2016); SYSU Jetta Scholarship (2016)

* A joint-program offered by SYSU and CUHK. I will be awarded a BSc in Computer Science (Elite Stream) by CUHK.

AWARDS

- Honorable Mention in 2017 National College Mathematical Contest in Modelling
- Certificate of the Completion of the 2017 Global Leadership Foundation Course collaboratively run by Brigham Young University and SYSU
- “Top 10 Adviser” in the 2016 Offering Advice and Suggestions Activity held by the School of Electronics and Information Technology, SYSU
- Successful Participant in the 2016 National College Mathematical Contest in Modelling
- Third Prize in the 2014 SYSU Electronic Design and Popularization Competition

PROFESSIONAL EXPERIENCE

Intern, Summer Research Internship, Faculty of Engineering, CUHK

May 2018 - August 2018

Supported distributed online analytical processing (OLAP) on Husky, which is a general-purpose distributed computing system developed by the system laboratory at CUHK:

- Used the platform of Husky to implement the “By-Layer” cubing algorithm in Apache Kylin;
- Implemented SQL engine and customized query optimization rules on Husky using Apache Calcite framework.

Web Developer, Shanghai Hydee Software Co., Ltd. (Changsha)

July 2017 - August 2017

- Built a pharmacy management application with Spring framework, Tomcat server and Apache Maven, where users can register an account and get online after-sales services like querying, filtering, and purchasing drugs.

EXTRACURRICULAR ACTIVITIES

Visiting student, Travel Study Program, Washington DC, USA

June 2018

- Attended a two-week travel study program organized by CUHK / Hong Kong America Center;
- Explored the role of the US Congress in politics, especially in the decision making and political approaches of Republicans and Democrats for Congressional elections and in the orientation of voters.

First Debater and coach, Debate Team at School of Electronics and Information Technology, SYSU

2015 - 2017

- Represented the debate team as the first debater to compete in most debate competitions on campus;
- Acted as the coach of the debate team in the sophomore year, instructing freshmen in debate skills.

Volunteer, The first Chinese Language Old-friend Debate, Guangzhou

May 2016

- Responsible for organizing the competition, guiding audiences, and dealing with emergencies.

SKILLS

- **Software Engineering:** 1) Programming Languages: C++, C, Java/Scala, Python; 2) Web Development: HTML5, CSS3, JavaScript, jQuery; Spring MVC – web framework; MySQL/Oracle Database; Apache Tomcat Web Server; 3) Distributed System and Database: MapReduce, Apache Spark, Apache Flink, Apache Storm, Husky; HDFS, HBase; Apache Kylin, Apache Calcite – distributed online analytical processing engine.
- **English Language:** 1) TOEFL Overall Scores: 105 (Reading: 30, Listening: 27, Speaking: 22, Writing: 26); 2) GRE Overall Scores: 326+3 (Verbal: 158, Quantitative: 168, AW: 3.5).