QIU HAORAN

james-qiuhaoran.github.io/index.html

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EDUCATION

University of Hong Kong   *September 2015 - Present*

Bachelor of Engineering in Computer Science with Minor in Mathematics

  - Major GPA: 4.03/4.3
  - Teaching Assistant of COMP 2396 Object-oriented Programming and Java   *2017-2018*
  - Dean's Honor List, Faculty of Engineering   *November 2016*
  - Entrance Foundation Scholarship, University of Hong Kong   *October 2015*

Jiao Zhou No.1 Senior High School   *September 2013 - June 2015*

Admission to the Experimental Class of Innovation, University of Science and Technology of China

SKILLS

Programming Languages	Familiar with: C/C++, Java, Python, Haskell, MATLAB
	Prior worked with: JS+CSS+HTML, PHP
OS, Software & Tools	Linux, LaTeX, Markdown
Languages	Mandarin (Native), English (TOFEL 104), Cantonese (Basic)

WORK & LEADERSHIP EXPERIENCE

Department of Computer Science, University of Hong Kong   August 2017 - present

Research Assistant, Systems and Networking

- Work on Plover: **fast Virtual Machine fault-tolerance**. Designed algorithm to decide the appropriate time to do synchronization. Build and do performance evaluation on MySQL, Django+Nginx+uWSGI, PostgreSQL, Tomcat, and other web services.

Hututa Technologies Limited, Hong Kong   July 2017 - August 2017

R&D Software Engineer Intern

- Make a biological gene mapping algorithm "Stampy" runnable on a **distributed system**. Bug report about the algorithm. Virtual machines and clusters management.

- Design and develop a **network monitor system**. Added **dynamic DNS** update. MySQL, Nginx, and Gunicorn are appropriately used in this system. Languages mainly used: Python, PHP, Javascript.

XNode| Startups Accelerator & Coworking Space, Shanghai   July 2016 - August 2016

Web Programmer Intern & IT Assistant

- Develop a content management systems. Tags were added to make **search more efficient**. Added a **online booking function** to the website for easier management.

Chinese Culture Communication Association, HKU   October 2015 - October 2016

IT Director

- Organize Chinese Culture related activities both on-campus and off-campus like Chinese Culture Night and Chess Competition.

- Manage the WeChat platform. The number of describers increased 750 in one year.

PROJECTS & CONTESTS

8th runner-up of CodeIT Suisse - HK & Singapore, Credit Suisse Group	*September 2017*
System Architecture Course Project: JPoker 24-Game	*March 2017*
Honorable Mention, Mathematical Contest in Modeling(MCM)	*January 2017*
Joker Game: Big Two, Game Design by Java	*November 2016*
Live Long Changing, Cathay Pacific 24-Hour Hackathon	*October 2016*
Design and Building Electronics Project on Arduino, Thales Ltd.	*October 2016*

R/C Plane Design of Innovation, Department of Mechanical Engineering	*Spring 2016*
Chinese Physics Olympiad, CPhO	*September 2014*
National Olympiad in Informatics, NOI	*2013*

EXTRACURRICULAR ACTIVITIES

Residential Student Advisor, University of Hong Kong	*October 2016 - Present*
Student Helper for HKU Admission in Mainland China - Ji Nan	*June 2016*
Championship of Men's Basketball Competition, CSSAUD	*Spring 2016*
Member of Bridge Team, SCS Hall	*September 2015 - Present*
HKU Information Day Volunteer, Faculty of Engineering	*October 2015*