Yongqi WANG

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Education

- **ETH Zürich** — **Zürich, Switzerland**
  D-BSSE, M.S. Computational Biology and Bioinformatics — *Expected 2020*
- **The Hong Kong Polytechnic University** — **Hong Kong, China**
  D-ABCT, B.S. Applied Biology with Biotechnology — *June 2018*
- **The University of Waterloo** — **Waterloo, Canada**
  D-BIOL, Exchange student — *January 2017 - May 2017*

Experience - Work

- **Hong Kong Polytechnic University** — **Hong Kong, China**
  Research Assistant — *February 2018 - July 2018*
  - Classification of protein binding pattern
  - Visualization to facilitate graphical representation of the medical data
  - Identified differential binding events and its causal relations
- **Beijing Novogene Technology Co. Ltd.** — **Beijing, China**
  Summer Data Analyst Internship — *April 2017 - August 2017*
  - Maintenance of data pre-processing pipeline
  - Revised and maintained a RNA-seq analysis pipeline
  - Development of an visual pipeline editor
- **China Agricultural University** — **Beijing, China**
  Research Assistant — *April 2016 - August 2016*
  - Built an internal server for microarray analysis usage
  - Incorporated common Bioconductor packages for the original microarray analysis workflow.

Experience - Projects

- Helped integrate a CI/CD toolbox for benchmarking behavioural data in bachlab@UZH.
- Finished multiple projects such as object detection with ML, texture extraction.
- Participant in International Olympiad selection camps (Biology) in Guangdong, China

Awards

- Deans List of Outstanding Students, Faculty of Applied Science and Textiles, PolyU 2017
- Work-Integrated Education Offshore Sponsorship, PolyU 2017
- Wong Tit-shing Student Exchange Scholarship, PolyU 2017

Technical Skills

Languages

- Advanced: Python
- Intermediate: R, Bash

Bioinformatics

Next-generation sequencing data analysis, Gemomics

Courses taken

Statistics Mathematical Statistics, Probability Theory, Casualty, Empirical Process Theory, Statical Models in Computational Biology, Mathematical Tools in ML, High-Dimensional Statistics

Others Data Mining, Intro to ML, Computational Intelligence Lab, Advanced Machine learning