

Haogao GU

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EDUCATION

- **Sun Yat-sen University**, Guangzhou, China Sep. 2011 – Present
School of Public Health Five-year Bachelor's Degree Program of Preventive Medicine
Overall GPA: 3.1/4.0
IELTS: 7.5 (Listening:8.0 Reading:9.0 Writing:6.5 Speaking:6.0)

RESEARCH & WORK EXPERIENCE

- **Full-time Intern** Jul. 6, 2015 – Sep. 25, 2015
Huizhou Municipal Central Hospital, Huizhou, Guangdong, China
Department of cardiovascular medicine, Gastroenterology and Infectious disease
– Learned the diagnosis and treatment of basic diseases.
- **Full-time Intern** Sep. 22, 2014 – Nov. 21, 2014
The Sixth Affiliated Hospital of Sun Yat-sen University, Guangzhou, China
Department of Nephrology, Gastroenterology, General surgery, Gynaecology and Obstetrics, Paediatrics, Neurology and Infectious diseases
– Learned diagnosis and prescribing and collected medical histories.
- **Full-time Research Assistant** Aug. 22, 2014 – Sep. 19, 2014
Guangzhou Center for Disease Control and Prevention, Guangzhou, China
Department of Infectious Disease Prevention and Control
– Participated in the epidemiological study of the novel outbreak of the dengue fever in Guangzhou.
 - * Conducted field investigations of dengue fever in Guangzhou.
 - * Analysed the parathion content from water samples in laboratory.
- **Full-time Research Assistant** Aug. 13, 2013 – Sep. 13, 2013
Panyu Center for Disease Control and Prevention, Guangzhou, China
Department of Health Education
– Investigated the status of public-health education among hospitals in Panyu district of Guangzhou.
 - * Collected data in all government-funded hospitals (33 hospitals) in Panyu district.
 - * Assisted in analyzing the the data and writing the final report.
- **Full-time Intern** Jan. 6, 2012 – Jan. 20, 2012
Zhongshan People's Hospital, Zhongshan, Guangdong, China
Department of Neurology
– Learned neurotomy and neuropathology from clinical doctors.

PUBLICATIONS

- Gu Haogao, Ross Ka-Kit Leung, Hao Yuantao. *Are We Ready to Predict The Next Wave of H7N9 Epidemics? A Comprehensive Assessment of Models, Static and Dynamic Factors*, *Lancet*, submitted.
- Gu Hao-gao, Zhang Wang-jian, Xu Hao, et al. *Estimating Risk Region of Avian Influenza (H7N9) Epidemic in China*, *Chinese Journal of Epidemiology*, 2015, 36(5): 470-475.
- Li Peng-yuan, Xu Hao, Gu Hao-gao, et al. *Epidemiological Characteristics of Influenza Virus H7N9 and Evolutionary Analysis of Hemagglutinin and Neuraminidase Genes*, *Journal of Sun Yat-sen University (Medical Sciences)*, 2014(06): 932-940.

HONORS & AWARDS

- Big Data Analysis-Data Mining Competition 2015 of Sun Yat-sen University Oct. 2015
The **2nd Place** of over 50 participants
- Preventive Medicine Innovation Competition of Guangdong Jun. 2015
The **Second Prize** of the Student Research Competition
- 13th National Science and Technology Innovation Competition Dec. 2014
The **Third prize** (*8th Place*) of Sun Yat-sen University
- Student Research Competition of International Symposium for One Health Research Nov. 2014
The **First Prize** (*1st Place*)
- Individual Scholarship, Sun Yat-sen University Aug. 2013
- The Third Prize Scholarship, Sun Yat-sen University Aug. 2012
- China National Olympiad in Biology Sep. 2010
Guangdong Regional Contest **Gold Medal**
 - Only 20 winners of over 2000 finalists.
 - Therefore acquired guaranteed admission to Sun Yat-sen University.

OTHER ACADEMIC WORKS

- 10th Asia-Pacific Congress of Medical Virology 2015 Oct. 2015
Oral Presentation
 - Presentation of a comprehensive assessment of models, static and dynamic factors for predicting H7N9 epidemics in China.
- CEID 12th Annual Scientific Meeting student exchange session Jun. 2015
Oral Presentation
 - The presentation was about predicting the outbreak of H7N9 and estimating different risk factors with spatial auto regression (SAR) and generalized additive model (GAM).
- Project approval of National Undergraduate Innovation Training Program Jun. 2015
 - A study focused on digital epidemiology, applying social media data to construct H7N9 predictive model.
- Project approval of Students Scientific Research Program, Sun Yat-sen University Jan. 2015
 - A study designed to predict dengue fever epidemics on the basis of IPCC-AR5 models.
- Project approval of Students Summer Scientific Research Program, Sun Yat-sen University Jun. 2014
 - A study focused on identifying risk region of avian influenza (H7N9) epidemic in China.
- Project approval of Students Scientific Research Program, Sun Yat-sen University May. 2014
 - A study analysed the hemagglutinin and neuraminidase genes of influenza virus H7N9 in order to identify their epidemiological characteristics.

TECHNICAL SKILLS

- Statistical Tools: R, SAS, SPSS, Epidata.
- Other Tools: L^AT_EX, Python, ArcGIS, GeoDa, Zotero.