

# ZeruiWANG

a Ph.D. candidate who is obsessed by robotics

## about

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## languages

Chinese  
English

## programming

C++/C  
Python

## education

- since 2013 **Ph.D.** in Mechanical & Automation Engineering The Chinese Univ. of Hong Kong  
Cumulative GPA: 3.917/4  
Research interests:  
Safety mechanism design in robotic surgery  
Visual servoing in surgical robot
- 2009–2013 **BEng.** in Quality and Reliability Engineering Beihang University  
Overall GPA: 3.84/4 (90.04/100)  
Rank **1st** in School of Reliability & System Engineering
- 2012 **Exchange** in Europe TU Delft, VUB, U-PSUD, ECP, ISAE  
Most selective elite delegation among students (top 0.75%)
- 2006–2009 **Senior high school student** No. 1 Middle School of Urumqi  
Top 0.18% in the National College Entrance Examination  
The 1st Prize in National Olympiad in Informatics  
The 2nd Prize in Chinese Physics Olympiad  
Nominated as Excellent Student for **three** consecutive years

## Honors & Awards

- Aug. 2013 **Awardee of Hong Kong PhD Fellowship**
- Nov. 2012 **Champion of Innovative Underwater Robot Design  
China Robot Contest & RoboCup Open**
- Jul. 2012 **The 2nd-Prize in National University Mechanical Innovation Competition**  
(10%)
- Dec. 2010 **The 2nd-Prize in National Undergraduate Physics Competition**  
(7.5%)
- Nov. 2010 **National Scholarship for University Students**  
(2.6%)
- Nov. 2011 **Excellent Students Awards of Beijing**  
(1.1%)
- Nov. 2011 **Elite Student of Beihang University**  
(3%)
- Mar. 2012 **Outstanding Student Award, Yang Weimin Special Scholarship**  
(0.8%)
- Dec. 2011 **The 2nd-Prize Scholarship of Academic Contest**  
(3%)
- 2010-2012 **The 1st-Prize Scholarship of Science and Engineering Contest**  
(7%)
- 2010-2012 **The 1st-Prize Scholarship of Academic Performance**  
(3%)

## publications

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article in peer-reviewed journal

### Electronic Sensors for Assessing Interactions between Healthcare Workers and Patients under Airborne Precautions

Jean-Christophe Lucet, Cédric Laouenan, Guillaume Chelius, Nicolas Veziris, Didier Lepelletier, Adrien Friggeri, Dominique Abiteboul, Elisabeth Bouvet, France Mentré, Eric Fleury

*PLoS ONE 7.5 (May 2012) e37893. 2012*

### Reconstructing Social Interactions Using an unreliable Wireless Sensor Network

Adrien Friggeri, Guillaume Chelius, Eric Fleury, Antoine Fraboulet, France Mentré, Jean-Christophe Lucet

*Computer Communications 34.5 (Apr. 2011) pp. 609–618. Elsevier, 2011*

### A Real-World Spreading Experiment in the Blogosphere

Adrien Friggeri, Jean-Philippe Cointet, Matthieu Latapy

*Complex Systems 19.3 (2011). Complex Systems Publications, Inc., 2011*