

Resume – Lei (Shirley) Xu

Application for Research Assistant in Quantitative Psychology

☎ +65 8239 0995 | ✉ shirleyfly1218@gmail.com

Education

National University of Singapore (NUS)

Singapore

Second year PhD student, Department of Industrial and Systems Engineering (ISE)

Aug. 2015 - Present

Future Resilient Systems (FRS), Singapore-ETH Center (SEC)

Singapore

PhD researcher, module of Optimal Management Strategies and Tactics

Aug. 2015 - Present

Shanghai Jiaotong University (SJTU)

Shanghai, China

B.E. in International Shipping Management, School of Naval Architecture, Ocean and Civil Engineering (NAOCE)

Aug. 2011 - Jul. 2015

- **Core GPA:** 86.5/100, **Major GPA:** 87.5/100 • **Rank:** 3/25
- **Mathematics Modules:** Probability and Statistics (96), Linear Algebra (91), Operations Research (87), Advanced Mathematics I (82), Advanced Mathematics II (78)

National Chiao-Tung University (NCTU)

Taiwan

Exchange student, Department of Communication and Technology

Jul. 2014 - Aug. 2014

- Experienced the cultural diversity and traditional customs of Taiwan through deep interaction with the locals
- Brainstormed and summarized topics about Taiwan's ethnic population diversity with summer interns from Yale University

Academic Experience

Ongoing research

Jun. 2016 - Present

- *Resilience and robustness optimization for public transport network using maximum flow model, with Dr. Alberto Costa.*

Referee

Jun. 2016 - Present

- *Journal of Global Optimization*

Teaching Assistant

Aug. 2016 - Dec. 2016

- *IE2110 Operations Research I*

Internship & Extracurricular Activities

China Shipping Container Lines Co., Ltd, headquarters

Shanghai, China

Intern, Business Supporting Department

Aug. 2014 - Sep. 2014

- **Objectives:** To understand the enterprise culture and further develop a workplace mindset by learning the inner workings of business practices
- **Tasks:** Conducted case studies; analyzed insurance and indemnity statistics by advanced EXCEL; translated Chinese and English documents

“NAOCER”: a Press Organization in School of NAOCE

Shanghai, China

Team leader

Sep. 2013 - Jul. 2014

- **Objectives:** Interviewed and recorded the stories of graduates; promoted a fair and diverse learning environment for students in the School of NAOCE
- **Methods:** Made personal profiles; wrote interview draft; published on the School's official website
- **Results and achievements:** Nominated by the School to run for “The President's Award”

Sector of Quality Development, Youth League Committee, School of NAOCE

Shanghai, China

Vice-minister

Sep. 2012 - Jul.2013

- **Objectives:** Helped in improving students' competence in academic and occupational wise, including major selection, creating a suitable application for a graduate program, and consultancy in the stress in academy and workplace
- **Methods:** Held seminars; conducted interviews; student guidance counselling

Project: what is your view of a relationship in College: an investigation in SJTU

Shanghai, China

Team leader

Sep. 2011 - Nov.2011

- **Objectives:** Understood the nature of love including what love is, what love is not; understood the psychology of love
- **Methods:** Made questionnaire; held group discussion; made statistical analysis and report

Honors & Awards

2015	Top 10% , Outstanding Graduate, SJTU
2014	Top 5% , Undergraduate Overseas Exchange 1st Class Scholarship, SJTU
2013	Ranked 2/25 , Tung OOCL Scholarship, SJTU
2013	Top 5% , 1st Prize in 2nd "Qian Xuesen Cup" Extracurricular Academic Science and Technology Works Competition
2012	Top 10% , "Excellent monitor" in college students military training, SJTU

Additional Information

Language:	English (Fluent), Mandarin (Native)
IT Skills:	AMPL, Matlab, Python, \LaTeX , Microsoft Office, R(learning), Stata(learning)
Hobbies:	Fitting, Reading, Piano, German, Chatting