Xinyu JIAN

PERSONAL DATA

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EDUCATION

2015–2019 **Shanghai Jiao Tong University (SJTU)**, Shanghai, China

B.S. in Naval Architecture and Ocean Engineering (major)
GPA: 85.34 | Detailed List of Exams

B.S. in Mathmatics (minor)
GPA: 86 | Detailed List of Exams

RESEARCH EXPERIENCE

The Research on the Communication and Control System of Wave Glider

Researcher in State Key Laboratory of Ocean Engineering, SJTU (Advisor: A/Prof. Xinliang Tian) 2016–2017
· Design a simple communication system based on Iridium
· Develop a simple on-board control system
· H. Wang, Q. Cai, **X. Jian**, Z. Liu, P. Wang, X. Tian "Design of Communication and Control
System for the Wave Glider" *Laboratory Research and Exploration* (Accepted)

Experiment on the Piston and Slosh Motions of Moon Pools Under Exciting Force

Researcher in the Towing Tank, SJTU (Advisor: Prof. Xinshu Zhang) 2017–Now
· Design the experiment model
· Design the method to collect the data

The Research on the Obstacle Detection of Unmanned Sailboat

Researcher in Unmanned Sailboat Club, SJTU (Advisor: A/Prof. Jinsong Xu) Now
· Responsible for the obstacle detection

SKILLS

Programming language:	Python, C++, Java, MATLAB, HTML5, CSS
Professional software:	AutoCAD, SolidWorks, Patran/Nastran
MCU:	STM32, Arduino, Raspberry
Others:	LaTeX, Linux, Netlogo, μVision

SCHOLARSHIPS AND CERTIFICATES

National Endeavor Scholarship	Link	2016,2017
Cyrus Tang Scholarship	Link	2016,2017
SDARI Scholarship		2017
1st Prize in National Marine Vehicle Competition	Link	2017

LANGUAGE

Test	Test Date	Reading	Listening	Speaking	Writing	Total
TOEFL iBT	Sat Nov 04 09:07:01 EDT 2017	27	24	23	24	98

B.S. in Naval Architecture and Ocean Engineering

Grades

Courses	Grade	Credit
Calculus I	66	6
Calculus II	91	4
Linear Algebra	90	3
Mathematical Methods in Physics	82	3
Probability and Statistics	83	3
Physics I	94	4
Physics II	91	4
Physics Lab. I	86	1
Physics Lab. II	85	1
Chemistry	90	2
Chemistry Lab	88	1
Introduction to Electronics	95	3
Thinking and Approach of Programming	86	3
Circuit Theory	72	3
Introduction to Engineering	100	3
Theoretical Mechanics	73	4
Engineering Drafting I	86	2
Materials Mechanics	85	4
Ship Vibrations	82	2
Introduction to Marine Hydrodynamics	85	4
Shipping Trade and Marketing	86	2
Ship Construction and Drawing	88	3
Introduction to Naval Architecture and Ocean Engineering	88	2
Principles of Naval Architecture(I-Statics and Resitance)	89	3
Marine Structural Mechanics	89	4
Theory of High Perfermance Ships	92	2
Innovative Experiment of Marine Engineering	93	3
	Total	79
	Major Gpa	**85.68**
Introduction to Biology	74	3
Systems Engineering	77	2
Ocean Engineering Environment	74	2
Appreciation of English Classics	85	2
Economy and Law	86	2
Public Speaking in English	87	2
Economics	88	2
Career Development and Planning	90	2
Selected Readings from Zhuangzi and Laozi	91	3
Political Comments	92	2
University English I	71	3
University English II	73	3
University English III	82	3
Physical Education I	88	1
Physical Education II	94	1
Physical Education III	91	1
Physical Education IV	98	1
Sport Culture	80	1

Military Theory	87	1
Modern Chinese History	85	2
Cultivation of Ethics and Fundamentals of Law	87	3
Basic Theory of Marxism	82	3
Introduction to Mao Zedong's Thoughts and Theoretical System of Socialism with Chinese Characteristics	94	6
Circumstance and Policy I	90	1
Circumstance and Policy II	85	1
Circumstance and Policy III	90	1
Circumstance and Policy IV	90	1
Engineering Practice	85	6
Undergraduate Innovation Program of SJTU(IPP14043)	80	3
The World of Plato	95	3
	Total	145
	OVERALL GPA	**85.34**
Military Training	P	3
Lectures on Engineering Frontiers	P	1
General Education Practice	P	2

B.S. in Mathematics

Grades

EXAM	GRADE	CREDIT
Mathematical Analysis I	96	3
Mathematical Analysis II	85	3
Numerical Analysis	80	3
Ordinary Differential Equations	83	3
GPA	**86**	