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# Jiamin He

(+86)136-2209-9052 he\_jiamin@tju.edu.cn

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## EDUCATION

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09/2013 – 06/2017	<b>Tianjin University (TJU)</b>	<b>College of Precision Instrument</b>	<i>Tianjin, China</i>
	<ul style="list-style-type: none"><li>• <b>B.S.E Degree in Electrical Engineering</b></li><li>• <b>Overall GPA: 3.8/4.0</b></li><li>• <b>GRE: 328+3.0</b></li></ul>	<b>Major GPA: 3.9/4.0</b> <b>TOEFL: 98</b>	<b>Ranking: 3/138</b>
<b><i>International Program</i></b>			
01/2017 – 06/2017	<b>MIT</b>	<b>EECS</b>	<i>Boston, MA, U.S.</i>
08/2016 - 12/2016	<b>McGill University</b>	<b>School of Information Studies</b>	<i>Montreal, Canada</i>
07/2016	<b>Georgia Institute of Technology</b>	<b>Summer Program</b>	<i>Atlanta, GA, U.S.</i>
07/2015	<b>Slovak University of Agriculture</b>	<b>Summer Program</b>	<i>Nitra, Slovak</i>
07/2014	<b>Hong Kong University</b>	<b>Department of EE</b>	<i>Hong Kong, China</i>

## PROJECTS AND EXPERIENCES

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### INTERNSHIP EXPERIENCE

08/2016 - 11/2016	<b>SIS, McGill University</b>	<b>Research Intern Assistant</b>	<i>Montreal, Canada</i>
	<b>Accessible Touch Interaction for Older Adults</b>		<i>Prof. Karyn Moffatt</i>
	<ul style="list-style-type: none"><li>• through Leap Motion, build up a 3D-environment to capture finger movement, and develop new measures, approach the interaction between older adults and touch-screen</li></ul>		
01/2016 - 04/2016	<b>Chip-sea Technology CO., LTD</b>	<b>Chip Test Intern Engineer</b>	<i>Shenzhen, China</i>
	<ul style="list-style-type: none"><li>• analyzed manufacturing data, defined multiple report sections with measured data and gave feedback, by executing design verification of FPGA logic function and semiconductor integrated circuits</li></ul>		

### RESEARCH EXPERIENCE

04/2015 - 06/2016	<b>Neural Engineering &amp; Rehabilitation Lab (TJU)</b>	<b>National Innovation Program</b>	
	<b>Brain-Computer Interface &amp; Motor Imagery for therapy of stroke</b>		<i>Prof. Ming Dong</i>
	<ul style="list-style-type: none"><li>• mastered advanced machine learning and neural signal processing algorithms, worked with neural sensors, designed neural sensing algorithm used for transferring data through Brain-Computer Interface, worked in hospital with the stroke for a month to collect data and record their reviews</li></ul>		
03/2016 - 04/2016	<b>Adaptive Tracking Robot</b>	<b>Group Director</b>	<i>Prof. Zhenhui Du</i>
	<ul style="list-style-type: none"><li>• mastered the Bluetooth Communication and ultrasonic sensor measure, revised and applied a double sensor algorithm to minimize errors, made the car shelf by 3D printing</li></ul>		
	<b>Hexagon Students Innovation Lab, TJU</b>	<b>School of Precision Instrument</b>	
01/2015 - 09/2015	<b>Infrared 3D-modelling Radar</b>	<b>Group Director</b>	<i>Prof. Duan Fajie</i>
	<ul style="list-style-type: none"><li>• assembled the low-power miniaturized electronic device based on STM32F103VET6, built up 3D-environment in Matlab and learned to use Opencv</li></ul>		
01/2014 - 03/2014	<b>Intelligent Furnishing Flowerpot</b>	<b>Group Participant</b>	<i>Prof. Liu Jin</i>
	<ul style="list-style-type: none"><li>• programmed the parallel signal processing circuit, designed the flowerpot appearance, made it by 3D printing, cooperated with teammates to design the control APP</li><li>• won the first prize in ICAN 2014</li></ul>		
01/2014 - 09/2014	<b>Plane Position Indicator</b>	<b>Group Director</b>	<i>Prof. Duan Fajie</i>
	<ul style="list-style-type: none"><li>• designed a serial signal processing circuits based on Microcontroller Freescale MC9S08QG8, produced readable codes</li></ul>		

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## EXTRACURRICULAR ACTIVITIES

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09/2013 - 06/2016	<b>Student Union Association</b>	President
04/2016 - 06/2016	<b>Tianjin Museum</b>	Volunteer Explanation and Navigation Group
04/2016	<b>Full Marathon &amp; Half Marathon</b>	Huangshan & Yangzhou, China
03/2015 - 07/2015	<b>Teaching Assistant</b>	Course -- <i>Signals and Systems</i>
09/2014 - 10/2014	<b>World Women's Tennis Open in Tianjin</b>	Volunteer VIP Service Group

## HONORS

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08/2016	<b>2016 Mitacs Graduate Fellowship</b>	
02/2016	<b>2016 Mathematical Contest in Modeling (MCM)</b>	<b>Meritorious Winner</b>
10/2015	<b>China National Scholarship</b> (Highest honor for students in China)	
05/2015	<b>2015 Star of Self-Improvement</b> (10 / 4600) (Highest honor for students in TJU )	
10/2014	<b>2014 International Contest of Applications in Nano-Micro Technologies</b>	<b>First Prize</b>