

# Jiamin He

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EDUCATION	<b>Tianjin University</b> , China Bachelor of Engineering, Measurement and Control Technology School of Precision Instrument and Opto-electronics Engineering GPA: 3.79/4.0 Major GPA: 3.87/4.0 (Ranking: 3/138)	Sep 2013 - Jun 2017
RESEARCH EXPERIENCE	<b>Visiting Undergraduate Reseracher</b> HCI Engineering Group, Department of EECS, <b>MIT</b> , U.S.A <b><i>Cyber-Manufacturing: 3D-Printing Under World's Warehouse</i></b> <ul style="list-style-type: none"><li>- Developed an online 3D editing assembly platform (based on WebGL and three.js)</li><li>- Investigated the automatic detection and assistance algorithm to help novice users</li><li>- Designed unified interfaces for different products under world's warehouse background</li></ul> <b>Research Assistant</b> Accessible Computing Technologies Lab, <b>McGill University</b> , Canada <b><i>Performance Evaluation of Target Selection Tasks for Elders on Touch Screen Devices</i></b> <ul style="list-style-type: none"><li>- Designed audio feedback and invented instant performance evaluation loop in Fitts's Model</li><li>- Coded Leap Motion to detect movements in 3D coordinates</li><li>- Automated calculations of different measures and errors</li><li>- Analyzed serialized tracking data on shaking, hovering and slipping motion</li></ul> <b>Research Assistant</b> National Neural Engineering & Rehabilitation Lab, <b>Tianjin Univ.</b> , China <b><i>Brain-Computer Interface and Motor Imagery for Therapy of Stroke</i></b> <ul style="list-style-type: none"><li>- Applied wavelet transform and empirical mode decomposition to remove the low-frequency drift of signals collected</li><li>- Extracted the features of motor evoked potentials (MEP) based on the time-locked algorithms</li><li>- Conducted numerous mini-experiments in hospital with patients and kept a detailed logbook</li></ul> <b>Research Assistant</b> Hexagon Students Innovation Lab, <b>Tianjin University</b> , China <b><i>Self-Tending Automated Flowerpot</i></b> <ul style="list-style-type: none"><li>- Created a flowerpot that automatically waters flowers at different times and rotates to expose plants to sunlight as needed</li><li>- Developed an Android App to transfer data and control the flowerpot</li><li>- Self-started a project, 3D-printed an inviting flowerpot with collaboration</li></ul>	Jan 2017 - May 2017 Prof. Stefanie Mueller  Aug 2016 - Nov 2016 Prof. Karyn Moffatt  Apr 2015 - Jun 2016 Prof. Dong Ming  Oct 2013 - Apr 2014 Prof. Fajie Duan
INTERNSHIP EXPERIENCE	<b>Test Engineer</b> <b>Chip-Sea Technology CO.</b> , Ltd, Shenzhen, China <ul style="list-style-type: none"><li>- Conducted on-chip debugging, mixed-signal test and field service</li></ul>	Jan - Mar 2016 Mr. Huajie Feng
INTERNATIONAL PROGRAM	<b>Georgia Institute of Technology</b> , Atlanta, U.S.A - Researched the differences between Chinese and American cultures <b>Slovak University of Agriculture</b> , Nitra, Slovak - Conducted a survey on Sustainable Development of Natural Resources <b>Hong Kong University</b> , Hong Kong, China - Participated a Robot Competition on behalf of Tianjin Univ. with HongKong Univ.	Jul - Aug 2016  Jul - Aug 2015  Jul - Aug 2014
AWARDS & HONORS	<ul style="list-style-type: none"><li>- National Scholarship (<i>Two years in a row</i>) Top 1% undergraduates national wide, awarded by the Ministry of Education of China</li><li>- Ten Outstanding Youth of Tianjin Univ. Highest honour for students in Tianjin University, 10/30,000 per year</li><li>- Canada Globalink Graduate Fellowship</li><li>- Meritorious Winner in Mathematical Contest in Modeling(MCM)</li><li>- First prize in International Contest of Applications in Nano-Micro Technologies</li></ul>	2015, 2016  May 2015  Aug 2016 Feb 2016 Oct 2014
SKILLS	Programming: Java, C, C++, Verilog, Python Softwares: MATLAB, LabVIEW, Altium Designer/Multisim, DSP/ARM coding	