

Jiamin He

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