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| Name: | Bitan Hou | Address: | Shanghai Jiao Tong University |
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# Curriculum Vitae

## Profile

- Internship: Microsoft Research Asia (MSRA), System Research Group (SRG).
- Bachelor: Shanghai Jiao Tong University (SJTU)
- School: Electronic Information and Electrical Engineering (SEIEE)
- Dept.: Electronic Engineering (EE)    GPA: 3.83/4.3    Ranking: 4/60

## Honors & Awards

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| 2018 | ★ Outstanding Graduate of Shanghai Jiao Tong University |
| 2017 | ★ Honorable Mention of Mathematical Contest in Modeling(MCM) |
| 2017 | ★ Second Prize of National Undergraduate Electronics Design Contest(Shanghai, China) |
| 2017 | ★ Tsung-Dao Lee Scholarship |
| 2017 | ★ Ji Hanbing Alumnus Scholarship |
| 2017 | ★ Liu Yongling Fellowship(Hong Kong) |
| 2017 | • Academic Excellence Scholarship (Second Class) of Shanghai Jiao Tong University |
| 2016 | ★ The Merit Student of Shanghai Jiao Tong University |
| 2016 | ★ National Endeavor Fellowship of Shanghai Jiao Tong University |
| 2016 | ★ Third Prize in China Undergraduate Mathematical Contest in Modeling(Shanghai, China) |
| 2016 | • Academic Excellence Scholarship (Third Class) of Shanghai Jiao Tong University |
| 2016 | • Third Prize in Mettler Toledo Innovation Contest |
| 2016 | • Third Prize in China Undergraduate Physical Experiment Contest (SJTU) |
| 2016 | • Third Prize in Texas Instruments(TI) Cup Electronic Design Contest (SJTU) |
| 2016 | • Mandarin Second Upper Level certificate |

## Professional Experience

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| 2018 | ★ Internship in Microsoft Research Asia(MSRA): Graph embedding |
| 2017 | ★ Final Year Project: Developed a face recognition system based on deep Learning using Convolutional Neural Network(CNN) for commercial application, which has a good performance in both face comparison and identity verification, and can be utilized on many occasions. |
| 2017 | • Hui-Chun Chin and Tsung-Dao Lee Chinese Undergraduate Research Endowment(CURE) Program: Photonic Crystals. Optical Signal Dynamic Buffer.Guided by Prof. Chun Jiang. |

## Research Experience

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| 2017 | • Front-end of APP: Develop a commercial APP with a company team. |
| 2017 | • Super Resolution Convolutional Neural Network(SRCNN) |
| 2017 | • Reinforcement Learning |
| 2016 | • Talents Reserved Program: Silicon photonics devices, etc. Guided by Prof. Yikai Su. |
| 2015 | • Undergraduate Innovation and Practice Program: Research on Key Technology of Low-orbiting Satellite Mobile Communication System. Guided by Lianghui Ding. |

## Voluntary & Social Activities

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| 2016 | ⋆ Volunteer for the 2016 Shanghai International Marathon |
| 2015 | ⋆ Volunteer for the 2015 Shanghai International Marathon |
| 2014 | ⋆ Volunteer for the 2014 Shanghai International Marathon |
| 2015 | ⋆ Served as Coach in "The Way To Success" Career & Leadership Development Program. Certified by China Soong Ching Ling Foundation, Liaison Department. |

## Programs

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| 2017 | ⋆ *Building Bridges* Education Support Program: Building Bridges is a Yale University organization. It takes a select group students from HKU, PKU, SJTU and Yale to teach middle schoolers in rural Shanxi Province. As a leader of SJTU team, I was in charge of the connection and arrangement of the members. Certificated by the Aixin Foundation Inc. of America. |
| 2017 | ⋆ *Tsinghua University* Summer Camp: Nano-OptoElectronics Lab, Department of Electronic Engineering, Tsinghua University. |
| 2016 | ⋆ *Top China* Summer Program: Together with the PKU, we organized the lectures, tours and other activities for students and professors from Brazil on the subject of "Buliding an Inclusive Society and Our Responsibility". As one of the leaders, I was in charge of the connection and arrangement. Certificated by the International Student Center of SJTU. |

## Knowledge Background(Natural Science)

- ⋆ Silicon Photonics, Photonic Crystals, Very Large Scale Integration(CMOS)
- • Microwave & Antenna, Principle of Communications, Signal Processing(Esp.:DSP)
- • Information Display, Thin Film Transistor
- • Web Design (HTML, JavaScript, CSS, BootStrap)
- ⋆ Programming (Python, C/C++, Java, Verilog, VHDL)

## Knowledge Background(Humanity)

- ⋆ The Bible and the Western Culture, Evolution of Ancient Greek, The history of Jews
- ⋆ World Culture Geography, Shanghai Literature in 1930s
- • Basic Management, Sociology
- • Art of Film & Television, Culture of Tea

## Student Associations

- • Nan Yang News Agency
- • Grape and Wine Association
- • Science and Technology Association of SEIEE
- • Hong Kong, Macao and Taiwan Cultural Exchange Association

## Interests

- • Guitar, Singing, Reading
- • Biking, Basketball, Badminton, Tennis, Swimming, Traveling