Hao Ju
MASTER STUDENT

3661 Peel St. Montreal, Quebec H3A 1X1

+1(438)866-2463 | hao.ju@mail.mcgill.ca | haojuuestc.github.io | HaoJuUESTC

Education

Department of Information Studies, McGill University   *Montreal, Canada*

MIST IN INFORMATION STUDIES   *Sept 2019 - Exp. May 2021*
- Supervised by Dr. Karyn Moffatt (http://act.mcgill.ca/karyn/)

School of Electronic Engineering, Univ of Electronic Sci & Tech of China (985,211)   *Chengdu, P.R.China*

B.ENG. IN ELECTRONIC INFORMATION   *Sept. 2014 - July 2018*
- GPA: 3.86/4.0 (Final year 3.91/4.0), Ranking: 5/42
- Honorary Graduate of UESTC
- Undergraduate thesis: Target Recognition and Tracking based on XGBoost

Employment

School of Creative Media, City University of Hong Kong   *Hong Kong S.A.R., P.R.China*

RESEARCH ASSISTANT   *Sept. 2018 - May 2019*
- Designed, developed and updated hardware and firmware prototypes.
- Collected data from experiments and performed data analysis.

Shared Reality Lab, McGill University   *Montreal, Canada*

MITACS GLOBALINK INTERN   *July 2017 - Oct. 2017*
- Developed the hardware and firmware of a foot-based interactive system for seated musicians. Published at ACM DIS'18 conference
- Enhanced the performance of an existing prototype, improving detection accuracy of the system by approximately 10 times.
- Co-authored paper submission.

Siglent Technologies   *Shenzhen, P.R.China*

INTERN   *Aug. 2016*
- Participated in the production management process at the leading domestic oscilloscope manufacturer.

Publications

Pressure or Movement? Usability of Multi-Functional Foot-Based Interfaces

SECOND AUTHOR   *Sept. 2017*
- Taeyong Kim, Hao Ju, and Jeremy Cooperstock. 2018. In proceedings of ACM SIGCHI Conference on Designing Interactive Systems (DIS) 2018. ACM. 1219-1227.

A Data-Driven XGBoost-Based Filter for Target Tracking

FOURTH AUTHOR   *July 2018*
- Bowen Zhai, Wei Yi, Ming Li, Hao Ju, and Lingjiang Kong. Poster presentation in IET Radar Conference 2018.

Honors and Awards

Ethelwyn Crossley Memorial Scholarship

CAD 4,620   *May 2019*

Mitacs Globalink Graduate Fellowship

CAD 15,000   *Mar 2019*

National Internet Security Scholarship

CNY 30,000 (CAD 5,680), 100 AMONG ALL UNDERGRADUATES AND GRADUATE STUDENTS IN CHINA PER YEAR   *Aug. 2017*

Relevant Skills

Programming   C, C#, MATLAB, VHDL, LaTeX, Python
Tools   Altium Designer, Quartus II, VICON, Unity 3D, AutoCAD
Embedded Systems   Arduino, STM32, MCS 8051
Languages   Mandarin (native), English (fluent, IELTS 8.0), French (basic, CEFR A1, certified by Alliance Française)