MELISSA LI

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EDUCATION

NANYANG TECHNOLOGICAL UNIVERSITY   **Singapore, SIN**
Exchange semester   *January – May 2020*
MCGILL UNIVERSITY   **Montreal, QU**
Bachelor of Arts and Science   *September 2017 – April 2021*
Major in Cognitive Neuropsychology and Minor in Computer Science

RELEVANT EXPERIENCE

NANYANG TECHNOLOGICAL UNIVERSITY   **Singapore, SIN**
School of Computer Science and Engineering, UX Researcher   *January 2020 – Present*
- Conducting UX research for SnakeAlert – an android application by Professor Newton Fernando that uses crowdsourced information to aid the snake bite endemic in developing nations

Wee Kim Wee School of Communication and Information, HCI Researcher   *January 2020 – Present*
- Writing a meta-analysis paper under the supervision of NTU UX Lab Director Professor Kwan Min Lee, focusing on cognitive neuroscience inspired human computer interaction design

MONTREAL NEUROLOGICAL INSTITUTE   **Montreal, QU**
Undergraduate Researcher   *June 2019 – December 2019*
Used Agile development methodologies during piloting phase of neuropsychology experiment to progress a minimum viable experimental task to a highly refined version with optimal usability while keeping scientific controls in mind

- Conducted research and A/B testing to modify task usability, **minimizing participant error margins** leading to an increase in viable experimental data points by ~30%
- Worked with software engineers to reduce inefficiencies of task in Python, doubling rate of trials possible
- Effectively collected and analyzed EEG data, communicating insights for improving acquisition
- Continuously advanced the project ahead of schedule by successfully leading 3 other interns during trials, synthesizing metrics and feedback and presenting progress reports for Principal Investigator

ST. JOHN AMBULANCE   **Oakville, ON**
Marketing and Sales Intern   *May 2018 – August 2018*
- **Selected out of 300+ applicants** through Government of Canada sponsored Student Employment Strategy
- Conducted ethnographic studies to improve customer satisfaction during course instructional hours
- Performed database management, streamlining search times and significantly reducing customer wait times

PROJECTS AND ACTIVITIES

Email_Validator (Java)   *2019*
- Distinction as top 10 out of 700 student codes for validating email addresses to be used in login processes

Hack4Impact McGill, Vice President of Finance   *September 2019 – Present*
- Part of the founding Hack4Impact team at McGill, managing projects for nonprofit clients as well as hosting HackNights and coding tutorials
- Pitched the club's vision to sponsors, gaining the second highest budget of any McGill Engineering club, significantly increasing quality of our workshops and project resources

ADDITIONAL INFORMATION

Programming languages: Java, Python and MATLAB (some)
Relevant Coursework: Neuroscience I and II, Cognition, Positive Psychology, Circuitry of the Human Brain, Intro to Linguistics, Philosophy of Mind, Algorithms, Discrete Mathematics, Human Computer Interaction