Mingzhe(Franklin) Li

CONTACTS

Address: Unit 501, 26 Olive Ave
Toronto, Canada. M2N 7G7
Email: franklin.li@mail.utoronto.ca
Phone: +1 647-821-2597

ACTIVITIES

Vice Chair, IEEE University of Toronto Student Branch. (Sept 2016 – May 2017)
Electronic Director, IEEE University of Toronto Student Branch.
(Sept 2014 - May 2016)
Skule Kup Student Representative, University of Toronto.
(Sept 2014 - May 2015)
Ultimate Frisby Skule B Team member, University of Toronto.
(Sept 2013 - May 2014)
Math Club Founder,
New Oriental International High School.
(Sept 2012 - May 2013)

INDUSTRY EXPERIENCE

Analog Designer. Designed circuit test bench, Cadence layout & schematics, automating test bench, standard cell. (*AMD, Canada, May 2016 – Aug 2017*)
Amplifier Designer. Participated in designing the amplifier and analyzing performance of the amplifier (Gain, Bandwidth, Standing wave, Phase Margin) (*BOWEI Electronics, China, May 2014 – July 2014*)

AWARDS

Markham Intern of the Year Award Nominee, AMD (Aug 2017)
UTRECS Scholarship, University of Toronto (May 2015 - Aug 2015)
Euclid Mathematics Competitions top 5% Awards, University of Waterloo (June 2013)

EDUCATION

Sept 2018 - present
MASTER OF SCIENCE (RESEARCH BASED)
DGP Lab - Full Scholarship with RA & TA University of Toronto

Aug 2013 - May 2018
BACHELOR OF APPLIED SCIENCE
Major - Electrical Engineering University of Toronto

May 2015 - present
RESEARCH SUPERVISOR
Prof. Khai N. Truong (Sept 2015 - present)
Prof. Daniel J. Wigdor (May 2015 – Aug 2015)

PUBLICATION

Oct 2017
BrailleSketch: A Gesture-based Text Input Method for People with Visual Impairments
Mingzhe Li, Mingming Fan, Khai N. Truong
ACM ASSETS 2017

June 2016
The Living Room: Exploring the Haunted and Paranormal to Transform Design and Interaction
Michelle Annett, Matthew Lakier, **Franklin Li**, Daniel Wigdor, Tovi Grossman, George Fitzmaurice
ACM DIS 2016

RESEARCH EXPERIENCE

Sept 2015 - present
RESEARCH STUDENT, DGP LAB, UNIVERSITY OF TORONTO
Supervised by Prof. Khai N. Truong

- Working on smart reminders of subway system based on context awareness and machine learning.
- Working on a real-time face recognition system for people with visual impairment.
- Conducted qualitative interviews for people with various disabilities on misperception of assistive devices in China.
- Developed a mobile system for visually impaired people to read menus of restaurants and record daily calories.
- Developed a mobile system for older adults to memorize states of objects through computer vision.
- Designed BrailleSketch and conducted evaluation with visually impaired people.

May 2015 - Aug 2015
RESEARCH INTERN, DGP LAB, UNIVERSITY OF TORONTO
Supervised by Prof. Daniel J. Wigdor

- Developed haunted User Interaction project.
- Developed user identification of Diamond Touch (touch screen) and used opencv to interpolate the data from the device.