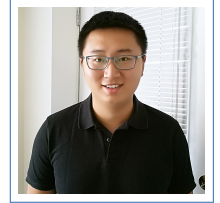# Franklin Mingzhe Li

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DOB: June 12th, 1995

Education

Sept 2020 – present	**Doctor of Philosophy (Advised by Dr. Patrick A. Carrington)**, *Carnegie Mellon University*, *Human-Computer Interaction Institute*.
Sept 2018 – May 2020	**Master of Science (Advised by Dr. Khai N. Truong)**, *University of Toronto*, *Computer Science (GPA 4.0/4.0)*.
Aug 2013 – May 2018	**Bachelor of Applied Science (Advised by Dr. Khai N. Truong)**, *University of Toronto*, *Electrical Engineering*.

Peer-reviewed Journal or Conference Publications

May 2021	"I Choose Assistive Devices That Save My Face" A Study on Perceptions of Accessibility and Assistive Technology Use Conducted in China **Franklin Mingzhe Li**, Di Laura Chen, Mingming Fan, Khai N. Truong In Proceedings of the ACM Conference on Human Factors in Computing Systems (CHI), 2021.
Apr 2021	TeethTap: Recognizing Discrete Teeth Gestures using Motion and Acoustic Sensing on an Earpiece Wei Sun*, **Franklin Mingzhe Li***, Benjamin Steeper*, Songlin Xu, Feng Tian, Cheng Zhang (*Equal Contribution) In Proceedings of the 26th International Conference on Intelligent User Interfaces (IUI), 2021.
Oct 2020	Eyelid Gestures on Mobile Devices for People with Motor Impairments Mingming Fan*, Zhen Li*, **Franklin Mingzhe Li*** (*Equal Contribution) In Proceedings of the 22nd International ACM SIGACCESS Conference on Computers and Accessibility (ASSETS), 2020, **Best Artifact Award**.
Sept 2019	FMT: A Wearable Camera-Based Object Tracking Memory Aid for Older Adults **Franklin Mingzhe Li**, Di Laura Chen, Mingming Fan, Khai N. Truong In Proceedings of ACM on Interactive, Mobile, Wearable and Ubiquitous Technologies (IMWUT), 2019.
Sept 2019	Face Recognition Assistant for People with Visual Impairments Mohammad Kianpisheh, **Franklin Mingzhe Li**, Khai N. Truong In Proceedings of ACM on Interactive, Mobile, Wearable and Ubiquitous Technologies (IMWUT), 2019.
Oct 2017	BrailleSketch: A Gesture-based Text Input Method for People with Visual Impairments **Franklin Mingzhe Li**, Mingming Fan, Khai N. Truong In Proceedings of the 19th International ACM SIGACCESS Conference on Computers and Accessibility (ASSETS), 2017.
June 2016	The Living Room: Exploring the Haunted and Paranormal to Transform Design and Interaction Michelle Annett, Matthew Lakier, **Franklin Mingzhe Li**, Daniel Wigdor, Tovi Grossman, George Fitzmaurice In Proceedings of the 2016 ACM Conference on Designing Interactive Systems (DIS), 2016.

Professional Experiences

May 2019 – Sept 2019   **Research Intern at Apple**, *Mentored by Dr. Jeffrey P. Bigham, and Dr. Xiaoyi Zhang,* Worked on the research in AI and Accessibility.

May 2016 – Aug 2017   **Analog Designer at AMD,** Designed circuit test bench, Cadence layout & schematics, automating test bench, standard cell.

May 2015 – Aug 2015   **Research Intern at DGP Lab**, *Mentored by Dr. Daniel J. Wigdor, and Dr. Michelle Annett,* Worked on the research in Human-Computer Interaction, and interaction techniques of multi-touch interfaces.

Research Directions and Methods

Human-Computer Interaction, Accessibility, Ubiquitous Computing, Quantitative and Qualitative Study, Participatory Design, Scenario-based Study.

Awards, Grants, and Fellowship

April 2021   **Postgraduate Scholarship-Doctoral**, The Natural Sciences and Engineering Research Council of Canada (NSERC) ($63000).

Jan 2021   **Inclusive Design Challenge Award (Co-applicant)**, US Department of Transportation ($300000).

Oct 2020   **Best Artifact Award**, ASSETS 2020.

Sept 2018   **Faculty of Arts And Science Tuition Fellowship**, University of Toronto ($18558).

Nov 2018   **Faculty of Arts And Science Program-Level Fellowship**, University of Toronto ($1000).

Aug 2015   **UTRECS Scholarship**, University of Toronto ($6000).

Community Services and Teaching Experiences

Reviewer, *UIST 2021, CSCW 2021, CHI 2021, EICS PACM 2021, UIST 2020, IJHCS, CHI 2020, CHI 2020 Late Breaking Works, CHI 2019 Late Breaking Works.*

Oct 2020   **Student Volunteer**, *ASSETS 2020.*

Dec 2019   **Associate Chair**, *CHI 2020 Late Breaking Works.*

Dec 2018 - May 2019   **Human-Computer Interaction Meeting Organizer**, *University of Toronto.*

Jan 2019 - April 2019   **Teaching Assistant**, *CSC258H1S: Computer Orgainization.*

Sept 2018 - Dec 2018   **Teaching Assistant**, *CSC258H1F: Computer Orgainization.*

Media Coverage

Jan 2021   **Mobility21:** Mobility21 Researchers Win US Department of Transportation Inclusive Design Challenge Award.

Sept 2019   **New Scientist:** Where have I left my wallet? This smart camera can remind you.

Mentorship

Mar 2021   **Jamie Dorst**, *Undergraduate Student at Carnegie Mellon University.*

Mar 2021   **Peter Cederberg**, *Master Student at Carnegie Mellon University.*

Personal Interests

Cooking, Soccer, Hiking, Badminton, Swimming.