

Esther Lin

Curriculum Vitae

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<https://estherlin.github.io>

Education

University of Toronto PhD, Computer Science <i>Advisors: Kyros Kutulakos and David Lindell</i>	2022 - Exp. 2026
University of Toronto MSc, Computer Science <i>Advisor: Kyros Kutulakos</i>	2020 - 2022
University of British Columbia BAsC, Engineering Physics	2015 - 2022

Selected Publications

Learning Lens Blur Fields Esther Y. H. Lin , Zhecheng Wang, Rebecca Lin, Daniel Miao, Florian Kainz, Jiawen Chen, Xuaner Zhang, David B. Lindell, Kiriakos N. Kutulakos <i>In submission</i>	2023
Sub-Wavelength Passive Single-Shot Computational Super-Oscillatory Imaging Haitang Yang, Esther Y. H. Lin , Kiriakos N. Kutulakos, George V. Eleftheriades <i>Optica</i>	2022
Computational Non-scanning Incoherent Super-Oscillatory Imaging Haitang Yang, Esther Y. H. Lin , Kiriakos N. Kutulakos, George V. Eleftheriades <i>ACS Photonics</i>	2022

Research and Work Experience

Meta Reality Labs Research Scientist Intern - Eye tracking camera systems for AR glasses <i>Mentor: Alexander Fix</i>	Jun 2024 - Present
Adobe Research Intern - Computational photography <i>Mentors: Jiawen Chen and Cecilia Zhang</i>	Jun 2021 - Apr 2022

Tesla Engineering Intern - Sensors <i>Mentor: Maitrayee Dhaka</i>	May - Oct 2020
Max Planck Institute for the Structure and Dynamics of Matter Research Intern <i>Mentor: Sascha Epp</i>	May - Dec 2018
Ciena Corporation Engineering Intern <i>Mentor: Michael Hubbard</i>	Jan - Apr 2017

Talks

Towards Practical Sub-Diffraction Imaging <i>MIT Media Lab, Camera Culture group</i>	Dec 2023
Toronto GAAP Graduate School Applications <i>Volunteer mentoring of prospective Computer Science students from underrepresented groups with their graduate school application package</i>	2023

Teaching

University of Toronto	
Teaching Assistant: CSC320 Introduction to Visual Computing	2021, 2022
Teaching Assistant: CSC2530 Computational Imaging and 3D Sensing	2022
Substitute Lecturer: CSC2530 Computational Imaging and 3D Sensing	2022
University of British Columbia	
Teaching Assistant: CPEN221 Principles of Software Construction	2017
City Centre Community Centre	
Instructor + Creator: Coding Club, Coding Algorithms, 3D Design	2019 - 2022

Awards

Canada Graduate Scholarships – Doctoral (CGS D) program \$40,000/year for 3 years from the Natural Sciences and Engineering Research Council of Canada	2024
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Optical Design and Engineering Award <i>\$5000 from SPIE, the international society for optics and photonics</i>	2024
Ontario Graduate Scholarship (declined) <i>\$15,000 fom Province of Ontario</i>	2024
Robert E. Lansdale / Okino Computer Graphics Graduate Fellowship <i>\$2000 from UofT Department of Computer Science</i>	2024
Women in Technology Scholarship <i>The Irving K. Barber British Columbia Scholarship Society</i>	2019
Biophysical Society of Canada Poster Award <i>Canadian Association of Physicists Congress</i>	2019
Erich Vogt Research Scholarship <i>UBC Physics and Astronomy</i>	2016
Peter D. Pare Research Scholarship <i>UBC Centre for Heart Lung Innovation</i>	2015

Mentoring

Summer Geometry Initiative <i>Volunteer mentoring on research projects by providing technical support</i>	Summer 2023
Toronto GAAP Graduate School Applications <i>Volunteer mentoring of prospective Computer Science students from underrepresented groups with their graduate school application package</i>	2023