

Esther Lin

Curriculum Vitae

lin@cs.toronto.edu
<https://estherlin.github.io>

Education

University of Toronto PhD, Computer Science <i>Advisors: Kyros Kutulakos and David Lindell</i>	2022 - Exp. 2025
University of Toronto MSc, Computer Science <i>Advisor: Kyros Kutulakos</i>	2020 - 2022
University of British Columbia BAsC, Engineering Physics	2015 - 2022

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
39 000-Subexposures/s Dual-ADC CMOS Image Sensor With Dual-Tap Coded-Exposure Pixels for Single-Shot HDR and 3-D Computational Imaging Rahul Gulve, Navid Sarhangnejad, Gairik Dutta, Motasem Sakr, Don Nguyen, Roberto Rangel, Wenzheng Chen, Zhengfan Xia, Mian Wei, Nikita Gusev, Esther Y. H. Lin , Xiaonong Sun, Leo Hanxu, Nikola Katic, Ameer MS Abdelhadi, Andreas Moshovos, Kiriakos N Kutulakos, Roman Genov <i>IEEE Journal of Solid-State Circuits</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

A 39,000 Subexposures/s CMOS Image Sensor with Dual-tap Coded-exposure Data-memory Pixel for Adaptive Single-shot Computational Imaging 2022
Rahul Gulve, Navid Sarhangnejad, Gairik Dutta, Motasem Sakr, Don Nguyen, Roberto Rangel, Wenzheng Chen, Zhengfan Xia, Mian Wei, Nikita Gusev, **Esther Y. H. Lin**, Xiaonong Sun, Leo Hanxu, Nikola Katic, Ameer Abdelhadi, Andreas Moshovos, Kiriakos N Kutulakos, Roman Genov
IEEE Symposium on VLSI Technology and Circuits

Research and Work Experience

Adobe Jun 2021 -
Research Intern Apr 2022
Mentors: Jiawen Chen and Cecilia Zhang

Tesla May - Oct
Engineering Intern 2020
Mentor: Maitrayee Dhaka

Max Planck Institute for the Structure and Dynamics of Matter May - Dec
Research Intern 2018
Mentor: Sascha Epp

Ciena Corporation Jan - Apr
Engineering Intern 2017
Mentor: Michael Hubbard

Talks

Towards Practical Sub-Diffraction Imaging Dec 2023
MIT Media Lab, Camera Culture group

Toronto GAAP Graduate School Applications 2023
Volunteer mentoring of prospective Computer Science students from underrepresented groups with their graduate school application package

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

Robert E. Lansdale / Okino Computer Graphics Graduate Fellowship <i>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

