QIXUAN LIN

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EDUCATION

Ph.D Electrical Engineering University of Washington *09/2020 – Present*

- 2024 Winter Graduate Certificate in Quantum and Information Science and Engineering
- 2021 – 2024 Accelerating Quantum-Enabled Technologies (AQET) scholar
- 2022 Autumn CoMotion Innovation Gap Fund Awards
- 2020 Autumn Paul C. Leach Fellowship

B.S. Physics University of Science and Technology of China *09/2016 – 07/2020*

PUBLICATION

Note: An asterisk (*) denotes equal contribution

- Marziyeh Rezaei, Liban Hussein, Alana Dee, Shucheng Fang, **Qixuan Lin**, Mo Li, and Sajjad Moazeni. "Secure FMCW LiDAR Ranging with an Electro-Optical Synthesizer at 5000 Measurements/s." *IEEE Solid-State Circuits Letters* (2025).
- **Qixuan Lin**, Shucheng Fang, Yue Yu, Zichen Xi, Linbo Shao, Bingzhao Li, and Mo Li. "Optical multi-beam steering and communication using integrated acousto-optics arrays." *arXiv preprint arXiv:2409.16511* (2024).
- Bingzhao Li*, **Qixuan Lin***, and Mo Li. "Frequency–angular resolving LiDAR using chip-scale acousto-optic beam steering." ***Nature*** 620.7973 (2023).

CONFERENCE PRESENTATIONS

- Sarah Edwards, **Qixuan Lin**, Morgan Sherer, Elliott Rosenberg, Jiun-Haw Chu, and Arthur Barnard, "Modifying Crystal Symmetries via Shear Distortion," *2023 IEEE International Conference on Quantum Computing and Engineering (QCE)*, Bellevue, Washington, USA, 2023
- **Qixuan Lin**, Bingzhao Li, Shucheng Fang, and Mo Li, "Visible light multichannel on-chip acousto-optic beam steering" *Frontiers in Optics*, FTu6E. 3, Tacoma, Washington, USA, 2023
- **Qixuan Lin**, Bingzhao Li, and Mo Li, "Scalable Optical Control for Atomic System using Integrated Acousto-Optic Beam Steering," *CLEO*, SM4P.6, San Jose, California, USA, 2023

U.S. PATENTS

- Li, Mo, Bingzhao Li, and **Qixuan Lin**. "Frequency angular resolving (far) light detection and ranging (lidar) by acousto-optic beam steering." U.S. Patent Application No. 18/711,782.

SKILLS

Experiment	Nanofabrication, Fiber-optics, Free-space beam shaping & imaging
Programming	Python, Matlab, Mathematica, LabVIEW
Simulation	COMSOL Multiphysics, Ansys Lumerical, Qiskit