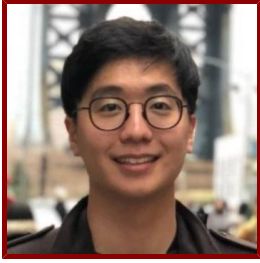


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Bio

BIO

I am a PhD candidate in Electrical Engineering working at Professor Jelena Vuckovic's Nanoscale Quantum Photonics Laboratory. My research interests are computational optimizations of photonic devices and quantum technologies made from nanoscale fabrications.

HONORS AND AWARDS

- Stanford Graduate Fellowship - STMicroelectronics Fellow, Stanford University (2018)
- Kwanjeong Educational Foundation Overseas Scholarship, Kwanjeong Educational Foundation (2018)
- Timothy B. Campbell Innovation Award in Electrical Engineering and Computer Sciences, University of California, Berkeley (2018)
- Haas Scholars Fellowship, University of California, Berkeley (2017)
- James H. Eaton Memorial Scholarship in Electrical Engineering and Computer Sciences, University of California, Berkeley (2017)

EDUCATION AND CERTIFICATIONS

- Bachelor of Science, University of California, Berkeley , Electrical Engineering and Computer Sciences (2018)

LINKS

- Google Scholar: https://scholar.google.com/citations?user=qIjoc_0AAAAJ&hl=en

Publications

PUBLICATIONS

- **Photonic Inverse Design of On-Chip Microresonators** *ACS PHOTONICS*
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- **Inverse designed Fano resonance in Silicon microresonators**
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- **Large-area and bright pulsed electroluminescence in monolayer semiconductors** *NATURE COMMUNICATIONS*
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- **Polarization-resolved black phosphorus/molybdenum disulfide mid-wave infrared photodiodes with high detectivity at room temperature** *NATURE PHOTONICS*
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- **Strain-engineered growth of two-dimensional materials** *NATURE COMMUNICATIONS*
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