



## Alan R. Shramuk

Associate

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Alan is an attorney with the firm's Electrical & Computer Technologies practice group. His work combines his strong background in electrical and computer engineering with his passion for writing. Alan represents clients in prosecuting patents in computer software, communications devices, and optoelectronics.

Alan serves as a member of the firm's peer-elected Associates Committee.

Outside of work, Alan enjoys writing and editing short stories, reading, fishing, and adding to his board game collection.

### Practices

- Patent Prosecution

### Industries

- Blockchain & Cryptocurrency
- Electrical & Computer Technologies
- Metaverse

### Representative Experience

Alan has extensive experience in the following areas:

- Electrical engineering
- Computer software and hardware
- Communications devices
- Optoelectronics
- Optical devices
- Blockchain
- Artificial Intelligence and machine learning
- Semiconductors and superconductivity
- 5G systems

## Background and Credentials

Alan received his degree in Electrical and Computer engineering with a concentration in Optoelectronics and Superconductivity from the University of Rochester. Alan received the Donald M. Barnard Prize for excellence in engineering as an undergraduate student. In graduate school, he researched Superconducting Single Photon Detectors and their potential applications at the Rochester Laboratory for Laser Energetics.

At the Chicago-Kent College of Law, Alan participated heavily in the IP program, serving as the Faculty Liaison and then Vice President of the Chicago-Kent chapter of the IP Law Society. Alan also served as the Editor-in-Chief of the *Chicago-Kent Journal of Intellectual Property*, where he worked with professionals who were extraordinarily well-versed in the field.

Alan joined Marshall Gerstein as an Associate in 2020. He previously served as a Summer Associate supporting clients of the firm's Electrical & Computer Technologies practice group.

## Bar Admissions

- Illinois

## Education

- Chicago-Kent College of Law, Illinois Institute of Technology (J.D.)
- University of Rochester (M.S.)
  - Optoelectronics and Superconductivity
- University of Rochester (B.S.)
  - Electrical and Computer Engineering
- University of Rochester (B.A.)
  - Japanese Language and Culture

## Community and Professional Involvement

- The Richard Linn American Inn of Court – Member

## Publications and Presentations

- "Superconducting Nanowire Single Photon Detectors: Recent Progress," Presentation, 2017.
- "Superconducting single-photon detectors as smart sensors: photon-energy and photon-number resolution," Presentation, 2017.
- "A Fair Shot at the Science Fair: The Constitutionality, Efficacy, and Feasibility of Introducing Blue Ribbon Juries to Modern Patent Litigation," Publication, Pending.