



## Casey Hayden

Technical Specialist

Tel 312.423.3439  
chayden@marshallip.com

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Casey is a Technical Specialist within Marshall Gerstein's Electrical & Computer Technologies Group assisting in drafting and prosecuting patent applications. His background in physics, experience in an optics laboratory, and his technical computing skills in Python, R, Tensor Flow, and Keras, allow him to support complex technologies and innovations.

Outside of the office, Casey enjoys cooking, golfing, and fishing.

### Practices

- Patent Prosecution

### Industries

- Electrical & Computer Technologies

### Representative Experience

- Artificial neural networks and deep learning
- Electricity and magnetism
- Photonics
- Plasma physics
- Renewable energy systems
- Quantum mechanics
- Semiconductors
- Thermodynamics and statistical mechanics

### Background and Credentials

Prior to joining Marshall Gerstein, Casey obtained his B.S. in physics with a minor in mathematics from the University of Oregon. As an undergraduate, Casey performed experiments with an optical tweezer in addition to conducting standard

analog electronic experiments and optical experiments with the University of Oregon Optics Laboratory. Casey also served as a marketing and research intern at a semiconductor company that focused on precision timing solutions.

## Education

- University of Oregon (B.S.)
  - Physics with a minor in Mathematics