MARSHALL GERSTEIN ip

Christine Umbright

Associate

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Christine Umbright is an associate at Marshall, Gerstein & Borun LLP. Ms. Umbright concentrates on preparing and prosecuting patents related to electrical and computer technologies. She has experience assisting clients in a variety of industries, including telecommunications, process control, energy storage, and software applications.

Practices

- Patent Prosecution

Industries

- Electrical & Computer Technologies

Representative Experience

- Assists clients by preparing and prosecuting patents relating to electrical and computer technologies, performing due diligence and patentability searches, and counseling regarding patent portfolio management and expansion
- Secures patent protection in a variety of industries, including telecommunications, control systems, insurance services, and software
- Prepared and prosecuted patents relating to software such as mobile device applications, user interfaces, and application programming interfaces (APIs)
- Experience avoiding and overcoming patentability obstacles related to software and business method patents

Background and Credentials

Ms. Umbright earned her J.D., *magna cum* laude, from the University of Michigan Law School, where she was a member of the Intellectual Property Students Association and Associate Editor of the *Michigan Telecommunications and Technology Law Review*. Prior to law school, Ms. Umbright received her M.S. in physics from Cornell University, and her B.S., *summa cum laude*, in physics, with a minor in mathematics, from Rensselaer Polytechnic Institute. While at Cornell University, Ms. Umbright worked as a teaching assistant and performed graduate research investigating the electronic structure of novel energy materials using a variety of computational methods, focusing on density functional theory. During her undergraduate studies, she performed characterization measurements on CdTe thin-film solar cells

at the National Renewable Energy Laboratory (NREL) as part of the Department of Energy's Student Undergraduate Laboratory Internship (SULI) program.

Ms. Umbright is proficient in the programming languages C++, MATLAB, LaTeX, and Python.

Education

- The University of Michigan Law School (J.D., *magna cum laude*)
- Cornell University (M.S.)
    - Physics
- Rensselaer Polytechnic Institute (B.S., *summa cum laude*)
    - Physics

Bar Admissions

- Illinois
- U.S. Patent and Trademark Office

Publications and Presentations

- "*Ab Initio* Theory of Energy Storage through Nanoscale Charge Separation and Transport," Master's Thesis, Cornell University, May 2016.
- "*Ab Initio* Electrochemical Capacitance Studies of Supercapacitor Materials in Aqueous and Non-Aqueous Electrolytes," Presentation at the American Physical Society (APS) March Meeting 2015.
- "Effects of Processing Techniques on CdTe Thin-film Solar Devices," Research Paper and Poster Presentation, U.S. Department of Energy Office of Science, Science Undergraduate Laboratory Internship at NREL, August 2013.

Community and Professional Involvement

- Expanding Your Horizons Fundraising Chair (Cornell University)
- Sigma Pi Sigma Physics Honors Society Member