

ERIKA KRETZMER

PATENT AGENT

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OVERVIEW

Erika is a patent agent in the firm's Computer Science group. Prior to joining Klarquist, Erika was a Patent Examiner at the USPTO, where she specialized in patents for software development, including compilers, programming languages, software testing, and inter-process communication. Erika has also worked as a computer programmer, using Oracle database tools, IBM midframe computers, Java, Perl, and Python.

Erika earned her Ph.D. in Neuroscience at Johns Hopkins University, where she studied critical periods in neural development. She published her research in *Science*, the top U.S. science journal. Her previous laboratory research includes electron and light microscopy, implantable electrical devices (cochlear implant), and image data processing. Erika brings additional lab experience to her practice, having worked in a molecular biology lab where she managed to keep a few cell lines alive and gained expertise in recombinant DNA techniques.

Erika joined Klarquist in 2022.

PROFESSIONAL EXPERIENCE

► Self-Employed Patent Agent, 2021-2022 | Remote

Specialized in patent prosecution.

► United States Patent and Trademark Office | Patent Examiner, 2008-2019 | Alexandria, VA

Evaluated patents in computer architecture and software. Argued subject matter eligibility under 35 USC 101 and developed skill in identifying the inventive concept for patentability. PTAB detail focusing on appeals.

► Customer Potential Management | Database Engineer, 2006-2008 | Madison, WI

Built and maintained databases using Oracle tools.

EDUCATION

Ph.D., Neuroscience,
Johns Hopkins University
School of Medicine,
2006

B.S., Computer Science
& Molecular Biology,
University of Wisconsin,
2000

ADMISSIONS

U.S. Patent and
Trademark Office
(Reg. No. 78,867)

PRACTICE AREAS

Patents

TECHNOLOGY AREAS

Life Sciences &
Biotechnology

Medical Devices &
Diagnostics

Mobile Devices &
Applications

Software & Internet
Technology

Klarquist

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PROFESSIONAL EXPERIENCE

▶ Johns Hopkins University School of Medicine | Graduate Student, 2000-2006 | Baltimore, MD

▶ University of Wisconsin, Madison Cytoskeleton Lab, Dr. Gary Borisey

Laboratory Intern, 1999-2000 | Madison, WI | *Gained experience in laboratory apparatus and techniques in molecular biology, propagating and maintaining microorganisms in vitro, genetic engineering, and tissue culture.*