

Goal / Primary Strength

To apply my experience as a patent agent and technical writer to drafting and prosecuting patent applications for software, the Internet, telecommunications, electronics, computers, biomedical technology, biometrics, mechanical inventions, and business methods. *My core strength: I am a skilled writer with fifteen years' prior experience in technical writing. I write a clear, highly accessible patent application, as well as cogent arguments in an office action response.*

Primary Qualifications

- Licensed as a patent agent with the USPTO (Registration No. 57,418).
- Four years' experience as a patent agent, drafting and prosecuting patent applications.
- Fifteen years in technical writing for users' guides, technical specifications, and reference manuals.
- Skilled in graphics and illustration.
- Experience with diverse electronics (digital and analog) and software technologies, including signal-processing systems, telecommunications systems and protocols, biomedical technologies, computer graphics, several programming languages, and simulation systems.
- Educational background in physics, programming, math, and electronics.

Patent Work

Hyra IP, Reston, VA || Rabin & Berdo, Wash., DC (contract work, 2010–Present)

- Drafted new claims and edited existing claims for consideration of satisfying 101 requirements in view of Bilski, and avoiding no-single-infringer issues.
- Edited claims originally drafted in Japanese to conform to U.S. claims standards/conventions.
- Reviewed/edited e-commerce patent applications originally drafted by other attorneys.
- Edited patent application disclosures drafted by other attorneys for thoroughness and clarity.
- Reviewed USPTO office actions and responded to same for various electronics technologies.

Sterne, Kessler, Goldstein, and Fox PLLC (2006–2009)

- Drafted and prosecuted patent applications before the USPTO on behalf of numerous clients in the fields of telecommunications, simulations, biomedical technologies, biometrics, electronics, software, microprocessors, finance, and other fields. (SKGF let multiple people go during 2009 concurrent with a significant decrease in work from many clients, including several I supported.)
 - Engaged in extensive subject matter interviews with inventors.
 - Conducted interviews with PTO examiners.
 - Drafted and filed pre-appeal briefs on behalf of applicants.
 - Supervised paralegal and secretarial staff for filings of IDSs and other case-related matters.
- Drafted approximately two dozen patent applications. Sample applications include:
 - **Telecommunications:** Applications directed to RFID technologies and network management.
 - **Biomedical and Biometric technologies:** Applications directed to various improvements of / enhancements to implantable cardiac therapy devices; applications for fingerprint sensors.
 - **Electronics:** Applications directed to microprocessors, simulation environments, component-level (i.e., transistor-level) electronics, patient-implantable batteries, and graphics processing.
 - **Miscellaneous mechanical applications, business methods applications.**
- Drafted amendments and replies, and obtained allowances, in support of numerous applications related to: wireless and wired network communications, security, and integrity; microprocessor architecture and operations; optical systems; biometric sensors; signal processing systems; component-level (e.g., transistor) electronics; electronic system timing and synchronization.

Contract Technical Writing, 1990–2005 (partial client/project list)

Authored/illustrated hundreds of users' guides, reference manuals, and technical specifications.

- **Cognio, Gaithersburg, MD (since acquired by CISCO)**

Cognio was a start-up company that developed software and hardware for WiFi. Wrote reference manuals for *Spectrum Expert*TM, a set of hardware- and software-based tools to monitor the RF spectrum in bands that impact wireless LANs. Created users' guides, online help, design specs, and software- and hardware-functional specifications. Also provided documentation to support an advanced RF chip design that incorporated state-of-the-art MIMO technology.

- **JDS Uniphase Corporation, Germantown, MD (formerly Acterna)**

Authored documentation for *AirAudit*, a testing system designed to monitor the performance of cellular networks. Wrote the Remote Control chapter for the *FIREBERD 4000 Reference Manual*; this device measures the performance of digital communications networks.

- **JDA, Rockville, MD (formerly Manugistics)**

Created functional specifications, reference manuals, and online help for software to route and schedule trucks for delivery of goods in the most efficient and cost-effective manner possible. The spec provided illustrations of the GUI, and detailed user interactions and use cases.

- **CIENA Inc., Columbia, MD**

Documented *WaveWatcher*, software that monitored switching nodes and amplifiers in a communications network. Included both extensive system architectural descriptions and detailed operational procedures. Documented business/engineering procedures for ISO-9000 certification.

Other clients included U.S. Navy, U.S. Marines Corps, Capital Advantage (political network management software), OPNET (communications network management/simulation software), NPRI (telemarketing software), PayAmerica (payroll software), NASDAQ (financial testing administration), Visual Networks (IP network performance monitoring software), and U.S. Army.

Science Journalism

- Feature articles on science for popular audiences in *Science Digest Magazine*.
- Former software reviewer for *InfoWorld*.

Technical Knowledge

- **Technical Background:** Physics, applied math, electronics, telecommunications
- **Computer Languages:** C++, Visual Basic, Java, HTML, FORTRAN, SQL, XML

Education

- **J.D. expected** May, 2015 (have accepted an admissions offer from the Washington College of Law at American University, and will matriculate fall semester of 2011).
- **Cornell University – B.A. with Distinction** as a College Scholar, 1982.
Extensive studies in physics and applied mathematics, including standard junior/senior-level courses (sufficient to sit for the patent bar examination).
- **Certificate Degree in Computer Programming** – Montgomery College, 2002.
- **Continuing Education** – Studies in advanced math (linear algebra, differential equations, complex analysis, and statistics) and electronics (digital logic and circuit fundamentals).
- **M.A. in the Liberal Arts** – St. John's College, 2002.

Professional Society Memberships

IEEE, American Intellectual Property Law Association