

# CORY J. PLOCK

## ADDRESS

Prolifogy Inc.  
100 Mill Plain Rd.  
Danbury, CT 06811, USA

## CONTACT

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## OVERVIEW

Expert in embedded software design and synthesis. Extensive background in formal methods, software engineering, and programming languages. Industry experience executing on all phases of the software life cycle.

## EDUCATION

Ph.D., computer science, May 2008  
New York University  
New York, NY

Master of Science, computer science, December 1999  
Rensselaer Polytechnic Institute  
Troy, NY  
4.0 GPA

Bachelor of Arts, with honors in computer science, January 1998  
Western Connecticut State University  
Danbury, CT  
*Summa Cum Laude*, 3.93 GPA, 4.0 GPA in major

## CERTIFICATIONS

Microsoft Certified Professional Developer (MCPD) .NET 4 Web Developer  
Microsoft Certified Technology Specialist (MCTS) .NET 4 Service Communication Applications  
Microsoft Certified Technology Specialist (MCTS) .NET 4 Data Access  
Microsoft Certified Technology Specialist (MCTS) .NET 4 Web Applications

## WORK EXPERIENCE

**President** Prolifogy Inc. Jan 2010 - Present  
Danbury, CT

Responsible for providing software consulting services to clients, overseeing all internal product development, managing customer relationships and general organizational affairs. Main consulting services provided include project leadership, software design and implementation, code and design reviews, management consulting, and legal consultation. Responsible for signing off on all major technical and business decisions.

**Asst. Adjunct Professor**      New York University      May 2011 - Present  
New York, NY

Responsible for teaching a graduate level course in programming languages. Coordinated with the course's recitation leaders, fulfilled curriculum requirements, held office hours, and handled all administrative tasks. Responsible for developing curricula for a graduate level special topics course in .NET web development.

**Associate**      Parsa Wireless Communications, LLC      Feb 2010 - Present  
Greenwich, CT

Responsible for evaluating software-related intellectual property portfolios and providing opinions to clients concerning infringement potential, IP value, use in the marketplace, prior art, and invalidity concerns. Mapped patent claims to products and standards, developed claim charts, identified strengths and weaknesses, and consulted with clients.

**Consultant**      Microsoft Research Ltd.      Jun 2008 - Jun 2010  
Cambridge, U.K.

Lead designer and developer on an experimental software tool for biological modeling, based on state-of-the-art research in formal modeling and Ph.D. dissertation. Interacted regularly with researchers and programmers. Designed and fully developed modeling engine core and all logical components. Responsible for overseas project management and coordination. Presented novel research contributions at conferences.

**President**      Connecticut Custom Software      Jan 1995 - Dec 2009  
Ridgefield, CT

Responsible for conceptualization, development, implementation, testing, deployment, and maintenance of custom designed software applications. Project coordinator and lead developer for multiple major assignments. Interacted directly with clients and users. Serviced over 100 clients.

**Research Assistant**      New York University      2003-2006  
New York, NY

Conducted research on the state-of-the-art in software modeling and formal software requirements. Studied the usefulness and feasibility of Message Sequence Charts (MSCs), Live Sequence Charts (LSCs), and Unified Modeling Language (UML) for stating requirements. Developed methods for translating formal requirements enriched with dense and discrete time to timed automata.

**Research Intern**      Mission Critical Technologies      May - Aug 2004  
NASA Ames Research Center  
Moffett Field, CA

Studied a process for expressing Live Sequence Charts (LSC) requirements as parameterized LTL temporal logic formulas. Collaborated with researchers in exploring a translation from LSCs to Petri Nets. Tested research results using the Eagle runtime verification tool.

**Teaching Assistant**New York University  
New York, NY

Fall 2002, Fall 2003

Assisted in teaching the *Machine Learning* and *UNIX Tools* courses. Prepared homework assignments, held regular office hours, provided guest lecture, graded homework, exams, and performed administrative tasks. Duties involved development, modification, and enhancement of a neural network written in C, shell scripting, UNIX and Linux system administration, and the evaluation of utilities, applications and shell scripts written by students.

**Consultant**Boehringer Ingelheim Pharmaceuticals  
Ridgefield, CT

Mar 1996 - Aug 2002

Developed a cross-platform (HP-UX/Windows) application for storing experiment data into a Metrica database and exporting specified data to an Excel spreadsheet on a PC workstation. Constructed an application for remotely monitoring the status of chemical reactions in a scale-up laboratory. Wrote software in support of an Ultra High Throughput Screening (UHTS) system. Wrote applications using Visual Studio .NET 2002 for evaluating the development of browser-based C# applications for data mining and drug screening using web services and SOAP. Provided employee training on C#, the .NET framework, network, and web-based programming topics.

**Specialist**Pepsi Bottling Group  
Somers, NY

Jan 2000 - Jan 2002

Design lead for a selling and delivery software package targeting a Symbol Windows CE handheld device. Implemented front-end embedded software using MSVC++ and Embedded Visual C++. Implemented back-end software in C and wrote UNIX shell scripts for uploading/downloading sales and delivery data between handheld devices and central Sybase databases. Trained employees on software modeling technologies, design and coding standards. Interviewed and provided hiring recommendations for prospective employees and consultants. Participated in all aspects of the software life-cycle.

**Teaching/Research Assistant**Rensselaer Polytechnic Institute  
Troy, NY

Sep 1998 - Dec 1999

Graded homeworks, held office hours, and interacted with students for two semesters of the undergraduate level programming languages course. Programming projects involving Prolog, ML, LISP, and C++. Assisted in developing and debugging a C++ garbage collection tool which utilizes run-time stack searches for discovering dangling pointers. Prepared the software for public distribution using `automake` and `autoconf`.

## LEGAL CONSULTATION

**Expert Witness**                      Freitas Angell & Weinberg LLP                      May 2014 - Present  
For B.E. Technology, LLC                      Status: Active

Provided consultation in the Inter Partes Review of U.S. Patent 6,771,290 before the United States Patent and Trademark Office.

**Expert Witness**                      Goodwin Procter LLP                      May - Jun 2014  
For Cardinal Commerce Corp.                      Status: Closed

Provided consultation in the matter of *SecureBuy LLC v. Cardinal Commerce Corporation* No. 1:2013-CV-01792, United States District Court for the District of Delaware.

**Expert Witness**                      Hogan Lovells US LLP                      Nov 2013 - Present  
For Motorola Inc.                      Status: Active

Provided consultation in the matter of *High Point SARM v. Spring Nextel Corporation, et al.* No. 2:09-CV-2269, United States District Court for the District of Kansas, Kansas City Division.

**Expert Witness**                      The Blanch Law Firm, P.C.                      Aug 2013 - Oct 2013  
For Robert Stuart                      Status: Closed

Provided consultation and opinions in the matter of *People v. Robert Stuart, Susanne Stuart, Patrick Read, and Extension Software*, No. 04494-2012, New York Supreme Court.

**Expert Witness**                      Wilson Sonsini Goodrich & Rosati                      Jun 2013 - Present  
For InterDigital Communications Inc.                      Status: Closed

Provided consultation in the matters of *Certain Wireless Devices with 3G and/or 4G Capabilities and Components Thereof*, ITC Investigation No. 337-TA-868, *InterDigital Communications Inc. et al. v. Huawei Technologies Co. Ltd et al.*, No. 13-cv-00008, U.S. District Court for the District of Delaware, *InterDigital Communications Inc. et al. v. ZTE Corporation et al.* No 13-cv-00009, U.S. District Court for the District of Delaware, *InterDigital Communications Inc. et al. v. Nokia Corporation et al.*, No. 13-cv-00010, U.S. District Court for the District of Delaware, and *InterDigital Communications Inc. et al. v. Samsung Electronics Co. Ltd. et al.*, No. 13-cv-00011, U.S. District Court for the District of Delaware.

**Expert Witness**                      Law Offices of Matthew L. Levine, PLLC                      Aug 2012 - Dec 2012  
For Nectar Services Corp.                      Status: Closed

Provided consultation and professional opinions in the matter of *Nectar Services Corp. et al. v. Carousel Industries of North America, Inc., et al.* Case No. 12-CV-5773 (PAC). Southern District of New York.

**Expert Witness** Wilmer Cutler Pickering Hale & Dorr LLP Jun 2012 - Sep 2013  
For Airvana Network Solutions Inc. Status: Closed

Provided consultation and professional opinions in the matter of *Airvana Network Solutions Inc. v. Ericsson Inc. and Ericsson AB*. Case No. 650360-2012, New York State Civil Supreme Court.

**Expert Witness** Whatley Drake & Kallas LLC Oct 2011 - Mar 2012  
For Apollo Enterprise Solutions, Inc. Status: Closed

Provided consultation and professional opinions in the matter of *Collections Marketing Center, Inc. v. Apollo Enterprise Solutions, Inc.* United States District Court for the District of Delaware. Case No. 10-CV-01057-BMS.

**Expert Witness** Vorys, Sater, Seymour & Pease LLP Jun 2011 - Jul 2011  
For Snap-On Business Solutions, Inc. Status: Closed

Provided consultation, and professional opinions in the matter of *Snap-On Business Solutions, Inc. v. Hyundai Motor America, et al.* United States District Court for the Northern District of Ohio, Eastern Division (Akron). Case No. 5:07CV1961.

**Expert Witness** Ropes & Gray LLP Oct 2010 - Present  
For Motorola Mobility, Inc. Status: Active

Provided consultation, professional opinions, and testimony in the matter of *Motorola Mobility, Inc. vs. Microsoft Corporation*. United States District Court for the Southern District of Florida. Case No. 10-CV-24063-MORENO.

**Expert Witness** Ropes & Gray LLP Jan 2010 - Jun 2010  
For Motorola, Inc. Status: Closed

Provided consultation and professional opinions in the matter of *Certain Wireless Communication System Server Software, Wireless Handheld Devices and Battery Packs*. ITC Investigation No. 337-TA-706.

**Expert Witness** Kirkland & Ellis LLP Jan 2009 - Apr 2009  
For Motorola, Inc. Status: Closed

Provided consultation and professional opinions in the matter of *Motorola, Inc. et al. v. Rembrandt Technologies, LP*, D. Del. C.A. No. 07-CV-752 and *Rembrandt Technologies, LP Patent Litigation*, D. Del. C.A. No. 07-MD-1848.

**Expert Witness** Ropes & Gray LLP Nov 2008 - Jan 2010  
For Motorola, Inc. Status: Closed

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