

Graciela Rubio, CCE

Summary

With over fourteen years of experience in operating systems and application support, networking and hardware support, and systems programming, Grace has worked in computer forensics since January 2010. Grace's diverse background includes extensive knowledge of computer systems, networking, the Internet, computer forensics, mobile device forensics, litigation support, electrical and computer engineering, and more.

Areas of Strength

- Computer Forensics
- Data Validation
- Application Support
- Reverse Engineering Machine Code
- Mobile Device Forensics
- Litigation Support
- Operating Systems Support
- Continuous Quality Improvement
- E-Discovery
- Forensic Processes
- Computer Programming

Representative Case-Types

- Retrieving and analyzing computer evidence and providing litigation support and expert testimony in cases involving *Theft of Intellectual Property, Theft of Trade Secrets, Breach of Contract, Hidden Assets, Child Custody, Electronic Tracking, Securities and Exchange Commission Investigations, Department of Justice Antitrust Investigations, Investigations on behalf of Bankruptcy Trustees, Spoliation and Destruction of Evidence, and more.*
- Assisting on investigations with the Texas Attorney General's Office, the Department of Justice (DOJ), Securities & Exchange Commission (SEC) receiverships, and Financial Industry Regulatory Authority (FINRA) arbitration matters

Expert Testimony

As an expert witness, Grace has testified in the Texas counties of Angelina, Bexar, Collin, Dallas, Denton, Fannin, Grayson, Johnson, Montague, Montgomery, Rockwall, and Tarrant. She has also provided testimony in the Superior Court of Washington State (Snohomish County), the Chancery Court of Lowndes County, Mississippi, the United States Bankruptcy Court (Northern and Western Districts of Texas), and the United States District Court (Eastern District of Texas).

Sampling of Cases Where Testimony Was Provided

- *Brenda K. Pratt v. James E. Pratt*, Cause No. 05-3-00317-2, In the Superior Court of the State of Washington in and for the County of Snohomish
- *The State of Texas v. David Charles*, Cause No. 2012CR5564, In the 437th Judicial District Court, Bexar County, Texas
- *John L. Abbott v. Mary Beth Abbott*, Cause No. 199-54435-2011, In the 199th Judicial District Court, Collin County, Texas
- *In the Interest of Peter Dillon Klamka*, Cause No. 380-56355-2010, In the 380th Judicial District Court, Collin County, Texas
- *Brian Graeme v. Riva Graeme*, Cause No. DF-14-11135, In the 303rd Judicial District Court, Dallas County, Texas
- *The State of Texas v. Ronniece Lashae Griffin*, Cause No. F14-76823-I, In the Criminal District Court Number Two, Dallas County, Texas
- *Commerce Street Capital, LLC v. Eric Rosiak and T. Clark Akers*, Arbitration Number 15-02125, FINRA Office of Dispute Resolution, Dallas, Texas
- *The Stonegate Financial Corporation, Randy Vest, and Sister Initiative, LLC v. Broughton Maintenance Association, Inc., Old Grove Maintenance Association, Inc., and Whittier Heights Maintenance Association, Inc.*, Cause No. 096-256351-11, In the 96th Judicial District Court, Tarrant County, Texas
- *Leslie Hightower v. Jeffrey Hightower*, Cause No. 324-547-937-13, In the 324th Judicial District Court, Tarrant County, Texas
- *Olivier Djongo v. Chrystele Grandazzi*, Cause No. 429-51053-2011, In the 429th Judicial District Court, Collin County, Texas
- *J.M. Decker Ranch Investments, LLC, v. Justin State Bank and Howard Young*, Cause No. CV-10-1656, In the 59th Judicial District Court, Grayson County, Texas

- *Paige D. Smith v. Tommy Mayhew Lovell, III*, Cause No. 416-56396-2011, In the 416th Judicial District Court, Collin County, Texas
- *Kathryn Jo Janacek v. Joseph Cyril Janacek*, Cause No. 401-52499-2005, In the 401st Judicial District Court, Collin County, Texas
- *National Unity Insurance Company, Inc. v. Dr. Antonio Rojo Anchondo, Blanca Lorena Zamora de Rojo, individually and d/b/a Rojo & Associates*, Case No. 09-31567-LMC, Adv. No. 09-03017, In the United States Bankruptcy Court for the Western District of Texas, El Paso Division
- *Nalini Prabhakar v. Meenakshi Prabhakar, M.D.*, Cause No. DF-12-21109, In the 254th Judicial District Court, Dallas County, Texas
- *The State of Texas v. John Karl Duncan*, Cause No. CR-13-24741, In the 336th Judicial District Court, Fannin County, Texas
- *Carleton Construction, LTD., v. Jamison | James Inc. and Mark J. Senitz*, Cause No. DC-16-13720, In the 191st Judicial District Court, Dallas County, Texas
- *In the Interest of Emily Nichole Richardson, a Child*, Cause No. 2014-0198-M-CV, In the 97th Judicial District Court, Montague County, Texas
- *Destiny Spillers v. Troy Paul*, Cause No. DC-D201500617, In the 413th Judicial District Court, Johnson County, Texas
- *Regina Lynn Payton v. Harry David Payton*, Cause No. 15-05-05018, In the County Court at Law Number Three, Montgomery County, Texas
- *Venesia Y. Adams v. Terry Grubb and Maverick Transportation, LLC*, Civil Action No. 2:12-CV-00086-DF-RSP, In the United States District Court for the Eastern District of Texas, Marshall Division
- *Jennifer A. Baumbach v. Robert O. Baumbach*, Cause No. 2014-0328-C, In the Chancery Court of Lowndes County, Mississippi
- *Arifa N. Rahman v. Muhammad M. Rahman*, Cause No. 429-50771-2015, In the 429th Judicial District Court, Collin County, Texas
- *In the Interest of C.C.K. and P.A.K., Children*, Cause No. 2005-10453-16, In the 16th Judicial District Court, Denton County, Texas
- *Sustainable Modular Management, Inc. v. Bryan Sulton, BD Modular Sales and Leasing, LLC, and Dehn Smith*, Cause No. DC-16-12994, In the 134th Judicial District Court, Dallas County, Texas
- *Hope Renee Keese v. Corey Michael Keese*, Cause No. 470-50864-2016, In the 470th Judicial District Court, Collin County, Texas
- *Thomas P. Rinkevich v. Anna Lee Dodd*, Cause No. 1-17-0459, In the 439th Judicial District Court, Rockwall, County, Texas
- *Robyn Herring v. Delta Equine Center, LLC*, Cause No. CV-00490-15-07, In the 217th Judicial District Court, Angelina County, Texas
- *James Christopher Broussard v. Jennifer Joelle Broussard*, Cause No. 360-594348-16, In the 360th Judicial District Court, Tarrant County, Texas
- *John Scott Forbus v. Jamie Simmons Forbus*, Cause No. 16-02854-393, In the 393rd Judicial District Court, Denton County, Texas
- *Robert Len Williams v. Cherie Parker Williams*, Cause No. DF-17-21878, In the 256th Judicial District Court, Dallas County, Texas
- *Mildred V. Ehrenberg, et al., v. Palmaz Scientific, Inc., Steven B. Solomon, and Julio Palmaz, M.D.*, Cause No. DC-15-11994, In the 162nd Judicial District Court, Dallas County, Texas
- *Kristoffer Furnace v. Kristina Furnace*, Cause No. DF-17-17477, In the 254th Judicial District Court, Dallas County, Texas
- *Suzanne E. Dixon v. Andrew A. Dixon*, Cause No. DF-17-20883, In the 301st Judicial District Court, Dallas County, Texas
- *In re: Marc Anthony Correra, Debtor*, Case No. 16-30728-SGJ-7, Chapter 7, In the United States Bankruptcy Court, Northern District of Texas, Dallas Division

Technology Background

Grace joined Proteggga LLC as a Computer Forensic Investigator in January 2010. Her in-depth knowledge of computer systems, electronic data, and quality control systems has been an asset to the company. In addition to her investigative role,

Grace has standardized many company procedures and forms as the Quality Assurance Manager. In collaborating with Proteggga software developers to custom design and implement a full-featured, paperless, digital forensic case management system called S.A.F.E.[™] (the System for Accurate Forensic Evidence), Grace has improved the quality and efficiency of the investigative process and the quality audit process. As the Chief Forensic Examiner, Grace oversees all forensic matters in addition to performing in-depth digital forensic investigations and providing expert testimony.

In February 2010, Grace earned her Bachelor of Science degree in Electrical and Computer Engineering from Worcester Polytechnic Institute (WPI). Her research in bioelectric signals and electromyography (EMG) systems, and her improved design of EMG electrodes are currently being used to further the research and development of powered prosthetic devices. Grace was the project manager and Java programmer on the WPI Scheduler, a development project that allows WPI students to plan their course schedule for one quarter or the entire academic year.

Upon arriving at WPI in 2004, Grace began working for the **Computing and Communications Center's (CCC) Helpdesk**. At the Helpdesk, Grace worked with a team of computer support specialists, both full-time staff and other student workers, to provide phone, e-mail, and in-person technical support to members of the WPI community. During her tenure, Grace assisted faculty and staff troubleshoot OS, networking, and hardware issues as well as software that had been specifically created for the university.

In addition to her work at the CCC, Grace worked as the Manager of Web Development and Marketing at **Lone Star Contracting**, where she developed and remotely managed the company's marketing strategies by designing its website, graphics, and insignia, and maintaining the company's computer systems.

Grace is currently pursuing a Master of Science degree in Information Assurance and Security with a specialization in Digital Forensics from Capella University. She expects to complete the degree in June 2019. During Grace's career, she has utilized the technologies listed below, and more, to provide OS and application support, web development administration, system administration, and computer forensics for her employers and clients.

Technologies

Forensics & Security:

AccessData Forensic Toolkit, AccessData Password Recovery Toolkit, AccessData Registry Viewer, BlackBag Blacklight, BlackBag MacQuisition, CacheBack, Cain & Able, Cellebrite UFED 4PC, Cellebrite UFED Touch, Cellebrite UFED Ultimate, Cellebrite Physical Analyzer, DataNumen Outlook Repair, DCode Date, Digital Detective NetAnalysis, Elcomsoft iPhone Password Breaker, Elcomsoft Password Recovery, E-Mail Detective, Encase Forensic, F-Response Consultant, Fookes Aid4Mail, Forensic Acquisition of Websites, FTS iXAM, GetData Mount Image Pro, HFSExplorer for Windows, Internet Evidence Finder, Logicube Forensic Dossier, Mac Marshall, MD5Hash, MFT Object ID Decoder, MFT Ripper PE, Nucleus Kernel for EML to PST, Nucleus Kernel for Exchange, Nucleus Kernel for OST to PST, Nucleus Kernel for Outlook PST Repair, Nuix, Nuix Proof Finder, Oxygen Forensic Suite, Paraben P2 Commander, Passware Forensic Password Recovery Kit, PinPoint Harvester, PinPoint MetaDiscover, PinPoint SafeCopy, PList Editor for Windows, RAID Reconstructor, Registry Ripper, Simple Carver Suite, SnapView, Stellar Phoenix Macintosh, SysTools BKF Repair, Tableau Forensic Acquisition Devices, USBDeview, X1 Social Discovery, X-Ways Forensics

Operating and File Systems:

Windows 10, Windows 8.1, Server 2012, Windows 8, Server 2008, 7, Vista, Server 2003, XP, UNIX/Linux, MacOS, FAT12, FAT16, FAT32, NTFS, HFS, HFS+, Apple iOS, Google Android, Windows Mobile

Smart Phones and Tablets:

Apple iPhone, Apple iPad, Blackberry, HTC, LG, Microsoft, Motorola, Nokia, Samsung, Nokia, and others

Applications:

Microsoft Office (Word, Excel, PowerPoint, Outlook, Visio), Microsoft Internet Explorer, Microsoft Edge, Mozilla Firefox, Google Chrome, Adobe Photoshop, Illustrator, Acrobat, Dreamweaver, Flash, Fireworks, Intuit QuickBooks, Nuance PDF Converter Professional, White Canyon SecureClean

Cloud:

Apple iCloud, Box.com, Dropbox, Google Apps for Business, Google Drive, Microsoft Office 365

Network Software and Databases:

Microsoft Exchange, Microsoft SharePoint, Microsoft SQL Server, Microsoft Access

Programming:

C/C++, Java, HTML, Xilinx/VHDL, Assembly language for microcontrollers

Education

Worcester Polytechnic Institute, Worcester, Massachusetts

Bachelor of Science Degree in Electrical and Computer Engineering

Graduated February 25, 2010

Capella University, Minneapolis, Minnesota

Master of Science Degree in Information Assurance and Security with a Specialization in Digital Forensics

Expected Graduation: June 2019

Computer Forensics Certifications and Licenses

Certified Computer Examiner (CCE), Certification #1517

The CCE certification is awarded by the *International Society of Forensic Computer Examiners*. The certification process includes minimum experience or training requirements, passing a written examination, and successfully performing actual forensic examinations on three test media.

Private Investigator, License Number A13971

Licensed by the *Texas Department of Public Safety*

Training and Self-Study

- Rules of Evidence
- Computer Forensics
- The Evidence Conference (October 2012)
- Techno Security Forensics Investigations Conference and Mobile Forensics World 2016
- Techno Security and Digital Forensics Conference 2017
- American Society of Crime Laboratory Directors Laboratory Accreditation Board (**ASCLD/LAB**) Research
- American Society of Quality (**ASQ**) Continuous Quality Improvement and Six Sigma
- Implementing Quality in Laboratory Policies and Procedures

Professional Organizations

- **American Academy of Forensic Sciences (AAFS)**
Associate Member of the Digital & Multimedia Sciences Section
Admitted February 2016
- **International Society of Forensic Computer Examiners (ISFCE)**
Member, Admitted March 2013

Professional Affiliations

- Institute of Electrical and Electronics Engineers (**IEEE**)
- IEEE Women in Engineering
- IEEE Computer Society
- IEEE Signal Processing Society

- National Association of Professional Women (**NAPW**)
- Society of Hispanic Professional Engineers (**SHPE**)
- Ursuline Academy Professional Women's Network (**UAPWN**)

Publications

- **Discovery and Spoliation and the Weekley Homes Demonstration**
Authors: Jessica Hall Janicek, Gregory Beane, Honorable Scott A. Beauchamp, Jim Mueller, Graciela Rubio
Published December 2016
- **Social Media Evidence, Digital Forensics, and Family Law**
Author: Graciela Rubio
Published September 2015
- **Using a Computer Forensic Expert**
Authors: Kathryn Murphy, Aimee Pingnot, R. Lance Fogarty, Graciela Rubio
Published August 2013
- **Improvement of the Electrode-Amplifier Circuit for an Electromyogram Recording Device**
Author: Graciela Rubio
Published May 2009
- **The WPI Scheduler Project**
Authors: Cyle Hawkins, Peter Lucia, Graciela Rubio
Published December 2007

Speaking Engagements

- **Tools of the Trade: Pups and Old Dogs Can Learn New Tricks**, May 2018
Forensic Expert Witness Association, Dallas, Texas
- **Mobile Device Forensics: Following the Digital Trail**, January 2018
Tarrant County Bar Association, Fort Worth, Texas
- **Electronic Evidence: In Re Weekley Homes**, February 2017
Dallas Bar Association Family Law Section Bench Bar 2017, Dallas, Texas
- **How Can I Get in There Legally or Prevent Access? In Re Weekley Homes**, December 2016
Family Law & Technology: Keeping Your Family Law Practice in Pace with the Latest Technological Advances
State Bar of Texas Continuing Legal Education Seminar, Austin, Texas
- **Computer Forensics: Solving Crime One Byte at a Time**, April 2016
Ursuline Academy of Dallas, Dallas, Texas
- **Using Mobile Device Forensics to Determine a User's Location History**, February 2016
Ursuline Academy of Dallas, Dallas, Texas
- **Using a Computer Forensic Expert and Electronic Evidence**, January 2016
Texas Academy of Family Law Specialists Trial Institute, Charleston, South Carolina
- **Computer Forensics: Investigating a Digital Crime Scene**, March 2014
Ursuline Academy of Dallas, Dallas, Texas

- **Computer Forensics and Its Application of the Scientific Method**, February 2014
Ursuline Academy of Dallas, Dallas, Texas
- **Using a Computer Forensic Expert**, August 2013
Fort Worth Paralegal Association, Fort Worth, Texas
- **Computer Forensics in Family Law**, October 2012
Tarrant County Family Law Bar Association, Fort Worth, Texas
- **A Career in Computer Forensics**, March 2012
Ursuline Academy of Dallas, Dallas, Texas

Honors and Recognitions

- **Dr. Mary Brown Memorial Scholarship**, June 2016
Capella University
- **Woman of the Year**, 2011-2012
National Association of Professional Women
- **Marshall/Chavez/Means Scholarship**, 2004-2009
Worcester Polytechnic Institute
- **National Hispanic Recognition Program Scholarship**, 2004-2009
Worcester Polytechnic Institute
- **National Hispanic Scholar**, 2003-2004
National Hispanic Recognition Program

Community Outreach

In addition to her work at Protegga LLC, Grace strives to advance the digital forensic field by speaking to high school students regarding her career experiences and the path that led her to where she is today. She understands the need to encourage young women to pursue careers in the STEM (science, technology, engineering, and mathematics) fields and is committed to mentoring anyone interested in digital forensics.

Each year, Grace sponsors a mentorship program for a rising senior from Ursuline Academy of Dallas. For several weeks each summer, students gain a unique perspective of the investigative process, from the beginning of a case to presenting the results to the client or before the Court.