



## Software Engineer / Computer Forensics Analyst

### Work Experience

TC FORENSICS, INC. (Formerly KLG COMPUTER FORENSICS, LLC) - *Computer Forensics Analyst / Founder*  
2006 to Present, Syosset NY

Provide computer forensics services to attorneys, law firms and the courts. I find hidden or destroyed data, investigate data breaches, provide expert testimony related to computer evidence. Court appointed expert in New York, Nassau and Suffolk counties.

- Analyzed computer and cell-phone data (FTK, X-Ways, MPE, Scalpel, Linux, etc) in over 200 litigated matters.
- Wrote Python and Perl code to parse filesystems (NTFS, HFS+, EXT), databases, file formats and encrypted data.
- Designed and admin cost-effective failure-proof ZFS based evidence storage server
- Presented seminars, public speaking engagements and training in computer forensic topics.

TURTLECOVE TECHNOLOGY, INC. - *Software Developer*  
2000 to Present, Syosset NY

Developed web sites and desktop applications: server, database and front-end. Clients include SponsorClick.com, AgencyAccess.com, DMLT (Investment Cafe), Wine Alert (eRobertParker.com), ICS Network Systems (MailSentry), AllBooks4Less.com (Half.com) and more.

- Technologies used include Python, Perl, C, C++, Cold Fusion/Java, PHP, Javascript, jQuery, SQL (PostgreSQL/MySQL/MSSQL), Web spidering, Linux admin, Sendmail plugins (milters)

LI NET, INC. (Acquired by VERIO, INC.) - *Co-Founder*  
1995 to 1999, Smithtown NY

Founded LI Net, an early Internet Service Provider, with three partners and little capital; In the span of four years we built LI Net to the largest ISP on Long Island, NY. We were acquired by Verio, a national roll-up of the top 50 regional ISPs, in an all cash deal.

- Web site development (Cold Fusion/Java, SQL (PostgreSQL, MySQL), Javascript, HTML)
- Linux admin (Perl, sh/bash), Apache server admin, Usenet server admin
- Sales engineer, Public speaking (seminars, presentations), Training

LEHMAN BROTHERS, INC. - *Senior Systems Analyst, Fixed-Income Derivatives*  
1994 to 1995, New York NY

- Supported overnight value-at-risk calculation process (C++, Perl, sh/bash, SQL (Sybase))
- Added support for Bermuda style options to Black Scholes based option pricing modules (C++)
- Supported derivatives trading desk and SUMMIT trading system (Summit, C++, Perl, sh/bash, SQL (Sybase), Excel)

QUOTRON SYSTEMS, INC. / CITIBANK - *Software Specialist*  
1993 to 1994, New York NY

- Added custom functionality (C/C++, SQL) and provided training to Quotron Trading Support System clients including Credit Suisse First Boston, Paine Webber

ERI, INC. - *Senior Programmer/Analyst*

1991 to 1993, Hauppauge NY

- Designed and developed ERI's document imaging system (C++, SQL/Informix, Excel, X/Motif)
- Developed custom programming solutions for clients including Salomon Bros., Price Waterhouse
- Performed installations and training for Salomon Bros., Brooklyn Union Gas, Banco Bradesco (in Sao Paulo, Brasil), others
- Supported sales staff in demonstrating and customizing technology products (Sales Engineer)

NEC AMERICA, INC. - *Consultant*

1990 to 1991, Melville NY

- Designed and developed NEC's SP120 Network Security router for securing circuit-switched Frame Relay and X.25 network communications (C/C++, Linux, Frame Relay, X.25, Firewall, SNMP, CMIP)

DIGITAL ARCHIVE COMPUTER SERVICES, INC. - *Programmer Analyst*

1988 - 1990, Syosset NY

- Developed a tele-radiology system used for remote viewing of radiology images for diagnostic and legal purposes (C/C++, digital image processing)
- Performed installations and training of the tele-radiology system at various medical facilities including Syosset Hospital, North Shore University Hospital and others

STATE UNIVERSITY OF NEW YORK AT FARMINGDALE - *Adjunct Professor (1989)*

- Taught C, C++ programming classes

## Education and Certifications

AccessData Certified Examiner (ACE)

AccessData Mobile Examiner (AME)

ACCESS DATA, INC: Forensic Toolkit training 2004

NEW YORK INSTITUTE OF FINANCE: Intermediate & Advanced Derivative Products 1995

STATE UNIVERSITY OF NEW YORK AT BUFFALO: B.S. Computer Science 1988

## Professional Affiliations

Co-chairman of the Computer Forensics subcommittee of the American Bar Association, Section of Litigation Expert Committee - April 2013 – September 2014

## Patents

US Patent Pending US20090300128 A1 "E-MAIL AUTHENTICATION PROTOCOL"