

CURRICULUM VITAE

Andrew T. Cobb, Ph. D.
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EDUCATION

Doctor of Philosophy (April 2006)
Computer Science and Engineering
Speed Scientific School
University of Louisville

Master of Engineering (May 1995)
Electrical Engineering
Speed Scientific School
University of Louisville

Bachelor of Science in Engineering Science (May 1992)
Electrical Engineering
Speed Scientific School
University of Louisville

PROFESSIONAL EXPERIENCE

AC Forensics, Inc. (July 2006 – Present)

President and CEO

- Performing computer forensics collection, consulting and examinations for various law firms in Kentucky, Indiana, Ohio, Wisconsin, Illinois and across the U.S.
- Performing data recovery for various organizations and individuals
- Serving as consulting expert and testifying expert in computer forensics, electronic discovery and software analysis matters in Federal and State courts in Kentucky, Indiana and Ohio

University of Louisville (August 2002 – July 2008)

Assistant Professor, Computer Information Systems

Activities:

- Develop course materials for the introduction Java programming course (CIS201) and a two-semester project-based course (CIS320, CIS420)
- Integrate Web Application Modeling (UML), Object-Oriented Analysis and Design (OOAD) and the Unified Process methodology into the CIS curriculum
- Participate in committees that make decisions on student scholarships, curricula and CIS operations
- Participate in various service-related activities such as student recruiting, student retention and external consulting
- Involved in research in the areas of conceptual modeling using ontology, object-oriented software measurement and defect identification and management

Technology Consultant (May 1996 – Present)

Participated in a variety of consulting projects including:

- Serving as an expert witness in Kentucky, Indiana, Ohio and Federal Courts on technology disputes
- Software architecture, process and quality consulting
- Security auditing and business process consulting for businesses and government agencies
- Training in the areas of secure programming, computer forensics and data recovery.

Humana, Inc. (November 2000 – August 2002)

Manager, Web Architecture

Activities:

- Oversaw the activities of the Senior Web Architects and the Web Usability Specialist
- Develop, publish and maintain standards and best practices for all areas of 3-tier Web architecture including modeling, web development life-cycle, coding, quality assurance, backup/recovery and maintenance
- Provided enterprise-level architecture and design consultation on Web and other TCP/IP-based applications
- Acted as a mentor for all IT areas engaged in web development
- Researched new web technologies and their impact on the market and make appropriate recommendations for implementation
- Researched, developed and implemented improved CMM-based, best practice-based software engineering processes particularly in the areas of Concept Exploration, Requirements Solicitation and Management, Design, Configuration Management, Testing and Quality Assurance

Corvus Digital Solutions (December 1997 – November 2000)

Senior Analyst/Director/Senior Vice President of Technology

Activities:

- Oversaw the activities of the information systems staff(2-3)
- Oversaw the activities of the product development staff(4-6)
- Oversaw the activities of the Analysis and Design staff(8-10)
- Oversaw execution of client contracts and approve all project specifications
- Provided technological vision for the company
- Implemented the CEOs vision using technology "best practices"
- Offered periodic instruction, consultation and mentoring to designers, developers and other personnel on technology matters
- Researched and developed new technologies
- Led the development of several CRM applications for Fortune 500 companies which harnessed the latest web technologies and data mining
- Developed and maintained infrastructure documents such as business processes, backup/recovery, standards and policies
- Developed novel hybrid internet-based software development methodology based on Rational Unified Process (RUP), which integrated creative, systems and information architecture services, and implemented company-wide

Purdue University (August 1995 - July 1997)

Assistant Professor of Electrical Engineering Technology

Activities:

- Taught various EET courses involving analog and digital electronics, electrical power and machinery, computer programming and electrical controls including:
 - EET202 - Electrical Circuits III
 - EET109 - Digital Fundamentals
 - EET212 - Electrical Power and Controls
 - CPT175 - Introduction to C Programming
 - MATH109 - Calculus
- Served on the High School Advisory Board
- Involved in medical imaging research
- Computer systems consulting for Louisville area businesses including:
 - Programming - Visual Basic, C, Delphi
 - Networking - Windows 3.x, 95, NT Server
 - Internet - TCP/IP, Web Page Design(HTML, Perl, JavaScript, VBScript)
 - Database design - MS SQLServer, MS Access
 - Instruction - Software, Networking, Internet, Programming
- Embedded controller consulting (Assembler)

SPECIAL SKILLS

- Extensive experience developing overall strategy for integrating new technologies
- Extensive experience with and knowledge of system architectures, software development methodologies, project management practices, effort estimation and quality assurance practices.
- Extensive experience developing client/server and 3-tier internet-based applications on Windows NT/2000 and Unix platforms
- Extensive relational database design experience on MS SQLServer(6.5 - 2005) and Oracle
- Extensive knowledge of communication protocols and TCP/IP-based applications
- Expert knowledge applying statistical and other data mining techniques for data analysis
- Extensive computer programming experience using Delphi, C/C++/C# and Visual Basic 3.0-7.0, ASP, ASP.NET, XML, COM, MTS, Perl, JSP, Java
- Experience with various testing, maintenance, integration and content management tools

PUBLICATIONS

Woods, J. A., Cobb A. T., Edlich, R. F., & Drake, D. B. "Steam Press Hand Burns: A Serious Injury," The Journal Of Emergency Medicine, 14(3), 1996, pp. 357-360

Cobb, A. T. and T. P. O' Connor, "A Model for Successful Recruitment for Satellite EngineeringTechnology Programs." Proceedings of the Annual Frontiers in Education Conference, 1996.

Cobb, A. T. "The Internet and Its Application." Proceedings of the ASEE Indiana/Illinois Section Annual Conference. 1997, pp. 152-157.

- Cobb, A. and R. Ragade, "Using Object-oriented Measures to Improve Software Development", 3rd International Conference for Software Process Improvement. Orlando, FL, April 2006.
- Cobb, A., Levitan, A., Guan, J. , "An Ontological Model for Accounting Information Systems". Proceedings of AMCIS-12, Acapulco, Mexico, August 2006.
- Cobb, A., Levitan, A., Guan, J. , "Control Considerations in Object-oriented Systems". Information Systems Control Journal, May 2007.
- Lang. L, Herr, J., and A. Cobb, "Considerations for Effective Discovery of ESI". Bar Briefs. Louisville Bar Association. June 2007
- Barker, R., A. Cobb, J. Karcher, "The Legal Implications of Electronic Document Retention: Changing the Rules", Business Horizons. December 2008.
- Levitan, A., A. Cobb, J. Guan, "Modeling an Object-Oriented Accounting System with Computer-Aided Software Engineering", Journal of Information Systems. December 2008.
- Karcher J., Barker R., Cobb A., "Document Retention in an E-World", Internal Auditor, Volume LXVII:II. April 2010.
- Cobb, A., "Proper Handling of Electronically Stored Information", Attorney At Law Magazine – Louisville Edition, December 2011.

PRESENTATIONS

- "Discovery In The Electronic Age", Louisville Bar Association, Continuing Learning and Education Course. November 30, 2006
- "Technology: Learn How It Can Help You Be a Better Trial Lawyer", Kentucky Academy of Trial Attorneys. March 16, 2007.
- "Electronic Discovery for Paralegals", Paralegal Association of Louisville, Louisville Bar Association. May 8, 2007.
- "Electronic Discovery in the 21st Century", 2007 National Society of Insurance Investigator Seminar. November 13, 2007
- "Computer Forensics: A Practical Discussion", Northern Kentucky Bar Association, Tax and Business Section. April 3, 2008
- "Computer Forensics: An Insider's Look", Louisville Bar Association, Continuing Learning and Education Course. May 14, 2008
- "Computer Forensics for the 21st Century", National Society of Professional Insurance Investigators – Illinois Chapter. November 20, 2008
- "E-Discovery: The Good, The Bad and The Ugly", ARMA (Indianapolis Chapter) Conference on E-Discovery, March 24, 2010

"Electronic Discovery and Computer Forensics", Louisville Bar Association, Continuing Learning and Education Course. June 4, 2010

"Computer Forensics and Electronic Discovery", Kentucky Chapter of the Information Systems Security Association (ISSA), April 1, 2011

"Electronic Discovery: Complaint to Courtroom", Louisville Bar Association, April 19, 2011

"Computer Forensics and Electronic Discovery For Information Security Professionals", 2011 Louisville InfoSec. September 29, 2011.

"Electronic Discovery: Complaint to Courtroom", CLE for Kentucky, Tennessee, Indiana and Mississippi Bar Associations. Given at Wyatt, Tarrant & Combs, LLP. November 3, 2011.

"Electronic Discovery: Complaint to Courtroom", CLE for Kentucky and Indiana Bar Associations. Given at Schiller Osbourn Barnes & Maloney, PLLC. November 7, 2011.

"Handling Electronically Stored Information", Louisville Association of Paralegals, December 5, 2011.

AWARDS

Recipient of 1996 Purdue Research Foundation Summer Faculty Award. Amount: \$5,000.

Recipient of the 2011 Thurston Award for best article in Internal Auditor Magazine

MEMBERSHIPS/CERTIFICATIONS

Certified Computer Examiner (CCE)
International Society of Computer Forensic Examiners (ISCFE), Member
Institute of Electrical and Electronic Engineers (IEEE), Member

Cases in Which Expert Testimony Was Provided
Andrew Cobb, PhD

Organization	Case Name	Case Description
Daniel Maddox	In re: Daniel Wilson Maddox, Jr., (S.D. Ind. Bankr.) Case No. 06-90549-BHL-13	Expert testimony as to the similarity of software written by two different firms.
Ric Kirk	Kirk Divorce	Expert testimony (deposition) as to findings on MacBook of alleged activity, contents of hard drive and several CDs, DVDs and floppy disks.
Airhart and Associates	U.S. v. Timothy Lamb (W.D. Ky.) Case No. 3:05-cr-00126-1	Expert testimony as to finding on Lamb's computer
McBrayer, McGinnis, Leslie, Kirkland	Badgett v. Badgett (Hopkins Cir. Ct.) Case No. 06-CI-164	Expert testimony as to the authenticity and completeness of electronic records.
Butrum Law Office	U.S. v. Hart (W.D. Ky.) Case No. 3:08-cr-00109-01	Expert testimony as to the mechanisms of Yahoo messenger
Golden & Walters	Bell v. City of Georgetown (Scott Cir. Ct. Div. I, Civil Action No. 07-CI-975)	Deposition in dispute over source of pornographic images
Daniels and Jeffries	Williams v. Williams (Champaign Circuit Court, Ohio Case #08 DR 261)	Expert testimony as to internet activity on home computer
Fisher & Phillips	Osyka v. Industrial Control Solutions, Inc.	Expert testimony in arbitration hearing for report of computer examination
Frost Brown Todd, LLC	Huenefeld v. Shelter Concepts(W.D. OH) 1:08-cv-844	Deposition for report on digital recording device
Kinser Law	Newton v. Fortune, Inc. (Arbitration)	Deposition for report on software analysis
Frost Brown Todd, LLC	Boyle v. OVACO (W.D. KY)	Deposition on report for computer examination
Heavrin Law Office	US v. Boehman	Expert testimony as to material found on

	(W.D. KY)	computer hard drive
Frost Brown Todd, LLC	Boyle v. OVACO (W.D. KY)	Expert testimony as to findings in report on computer examination
Getty & Childers	5 th Element v. Kirsch (E.D. KY)	Expert testimony in Injunction Hearing
Frost Brown Todd, LLC	Huenefeld v. Shelter Concepts(W.D. OH) 1:08-cv-844	Expert testimony in trial as to findings on file system of digital voice recording device
Graydon, Head and Ritchey, LLP	Yung v. Grant Thornton (Kenton Circuit Ct, Fourth Div. 07-CI-02647	Deposition as to services rendered to Plaintiff