

Timothy A. Carver

P.O. Box 635

Oxford, OH 45056

(260) 687-0350

Timothy.Carver@Yahoo.com

Employment History:

Aug 1, 2019 to present.

Miami University College of Computer Science
and Software Engineering

Oxford, OH

Visiting Assistant Professor

Aug 16, 2005 to August 1, 2019

Trine University College of Engineering

Angola, IN

Asst. Prof. of Computer Science

Jan 3, 1994 to Aug 15, 2005

University of Cincinnati

Cincinnati, OH

Adjunct Faculty - Computer Science

Feb 8, 1993 to Aug 15, 2005

Cincinnati State Technical and Community
College

Cincinnati, OH

**Adjunct Faculty - Computer
Science Academic Advisor**

Dec 15, 1991 to Aug 15, 2005

The Union Institute

Cincinnati, OH

Adjunct Faculty - Computer Science

Jan 13, 1997 to May 19, 1997

College of Mt. St. Joseph

Cincinnati, OH

Adjunct Faculty - Computer Science

Nov 13, 1991 to Jun 3, 1993

JWP Information Services

Erlanger, KY

Systems Integrator I

Jan 2, 1991 to Nov 7, 1991

Interactive Learning Systems

Florence, KY

Faculty – Computer Science

Oct 30, 1989 to Dec 29, 1990

General Electric Aircraft Engines

Cincinnati, OH

**Consultant - Data Base
Analyst/Equipment Specialist**

Employment History:

(Cont'd)

- | | |
|------------------------------|---|
| Jan 3, 1989 to Oct 27, 1989 | Threshold Technical Products Cincinnati, OH Engineer |
| Mar 30, 1987 to Dec 30, 1988 | Southern Ohio College Technical Center Cincinnati, Ohio Faculty – Electronics, Robotics and Computer Science |
| Aug 14, 1984 to Mar 27, 1987 | Carver Technologies Cincinnati, OH Proprietor |
| Aug 5, 1980 to Aug 11, 1984 | American Coin Amusements Cincinnati, OH Design Engineer |

Education:

Bachelor of Science in Computer Science and Electronics, The Union Institute and University, 1991. 440 East McMillan Street, Cincinnati, OH 45206.

Master of Science in Computer Science at the University of Cincinnati College of Engineering, 2001. 2624 Clifton Ave, Cincinnati, OH 45221. Thesis topic: Adaptive Computer Based Instruction. I am **ABD** from the University of Cincinnati.

Grants:

Two Lilly Intellect Capital Grants (\$10,548 & \$5,000) used for the planning and development of a Digital Forensics lab. The lab supports new digital forensics courses of my design as well as existing computer science courses.

A third Lilly Intellect Capital Grant (\$29,990) used to build a Digital Audio/Video Lab. This lab is to be used to support courses in development within our department.

A fourth Lilly Intellect Capital Grant (\$5180) used for Digital Forensics training resulting in my earning the Certified Computer Examiner and membership in the International Society of Forensic Computer Examiners (ISFCE).

A fifth Lilly Intellect Capital Grant (\$8694) used for new hardware and software for the Digital Forensics Lab in support of forensics courses.

Research:

Researching cryptologic history with an emphasis on The Civil War.

Researching online currency systems and Darknets for forensic evidence and artifacts.

Presentations:

Genetic Algorithms: The Application of Evolution to Computer Science, Tri-State University, 2006

Digital Forensics: Looking in on Looking In, Trine University, 2009

Cryptology: From American Independence to the Zodiac Killer, National Security Agency Cryptologic History Symposium, 2009

David Homer Bates: A Telegrapher to Lincoln, National Security Agency Cryptologic History Symposium, 2011

Rose O'Neal Greenhow: An Examination in Espionage, National Security Agency Cryptologic History Symposium, 2013

Bitcoin Forensics, Paraben Forensic Investigators Conference, 2015

Deconstructing Reconstruction: What made the North stop Rebuilding the South, National Security Agency Cryptologic History Symposium, 2015

Bitcoin Forensics, Paraben training class, 2015

Advanced Bitcoin Forensics, Paraben Forensic Investigators Conference, 2016

An Analysis of a Cryptocurrency: Bitcoin, National Security Agency Cryptologic History Symposium, 2017.

Bitcoin Forensics, National Cyber Crime Conference, 2018

Understanding Bitcoin In Criminal Investigations, Law Enforcement training class, 2018

Publications:

Between the Sheets: A Look at VCRs, A&L Publishing 1988

A Study of Adaptive Computer Assisted Instruction, The University of Cincinnati, 2001

References:

Dr. Bill Barge
Chair, Computer Science
Trine University
BargeB@Trine.edu
(260) 665-4298

Dr. Jim Kiper
Chair, CSE
Miami University
James.Kiper@miamioh.edu
(513) 529-0345

Prof. Norm Krumpe
Senior Lecturer, CSE
Miami University
Krumpenj@miamioh.edu
(513) 529-0351

Associations:

Member of the National Cryptologic Museum Foundation since 2009.

International Society of Forensic Computer Examiners – I am a member of the ISFCE and a practicing Certified Computer Examiner (CCE) since 2007.

High Tech Crime Consortium – I am also a member of the Board of Directors for the HTCC, providing technical advice in support of law enforcement efforts since 2010.

Legal:

Declared Expert Witness, 2010, *State of Indiana vs Donald Sutton*.

Courses Taught – Trine University:

Digital Forensic Science I *

Digital Forensic Science II *

Windows Registry Forensics *

Modern Programming Lang – Java *

Programming in “C” *

Web Programming

Microcomputers *

Python Programming **

Advanced Cybersecurity *

*Designed the course content.

**Currently under development

Systems Management *

Cryptography and History *

Cryptography and Modern History *

Computers and Applications

Linux *

Computer Security*

Device Forensics **

Digital Identification Techniques *

Sci-Fi from the Sci-entist POV *