

Adam Morrow

COS/PSA 413 Computer Forensics

Instructor Tony Gauvin

Capstone Report Paper

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### ***Computer Forensics Future Opportunities***

#### **Objective:**

Introduce the potential opportunities for further education in the Computer Forensic field of study, along with a guide in finding potential occupations in the field. To give the class the opportunity to identify potential school and training that can be attended in the area, along with those of distance locations. Also, to include a brief description on any school, training or programs that deal with computer forensics.

#### **Motivation:**

Opportunities in the computer forensic career field are wide ranged and numerous. Computer forensic is not just law enforcement incorporated it is also used largely in the corporate world. With knowledge and training in the computer forensic area of study local, state, and federal law enforcement agencies, would be more likely considered you for career opportunities due to need of computer forensic examiners. More and more criminal acts are being investigated through computer, due to the increase of crimes being committed with the aid of computers. As long as computers are being widely used as today in society, there are always going to be a need for computer forensic examiners.

### **Introduction:**

The following presentation is going to go over several components that are beneficial to those who are interested in gaining further knowledge of computer forensics. Key notes that are going to be described are:

- Further Education and certifications in the Computer Forensics field of study.
- Institutions or schools and certifications that partake in Computer Forensics.
- Career opportunities in Computer Forensics.

### **Body:**

#### ***1) Further Education in the Computer Forensics field of study and certifications.***

The book references the International Association of Computing Investigative Specialist (IACIS) certification. Through this program it is possible to become a Certified Forensic Computer Examiner (CFCE) – (all testing a testing program-no further education provided). Cost is \$750 for the testing program through IACIS.

Once accepted for the testing program you will be given six floppy disks and one hard disk. The objective is to examine all six floppy disks and the one hard disk. All technical matters must be solved for all disks. Once all disks are examined a report for each disk is required. The time restraints are that all disks and reports have to be returned to the monitor (IACIS CFCE) within five months. Additional skills that are useful are internet examinations. Information that supports internet investigation is the site's

registration by its domain the name, its identification, or contact person's name. Tool to accomplish this is by using Whois Web sites:

- [www-whois.internic.net/cgi/whois](http://www-whois.internic.net/cgi/whois)
- [www.whois.net/](http://www.whois.net/)
- <http://resellers.tucows.com/opernsrs/whois/>

## ***2) Institutions or schools that partake in Computer Forensics.***

### **-Degree Program offered at the College Level-**

\*Tompkins Cortland Community College (TC3)- is a college of the State University of New York in Dryden, NY. Requirement includes both CRJ and Computer technology courses. "A dedicated lab provides hands-on experience with investigative tools and evidence gathering."

<http://www.sunyccc.edu/academic/forensic/main.asp#career>

\*Champlain College- Computer Forensics degree available online and is an accredited college through the New England Association of Schools & Colleges. Title of course through distant learning is Computer & Digital Forensics Bachelor program, applying law, computer and network technology, and investigative process to digitally research crimes. <http://www.worldwidelearn.com/champlain/online-masters-degree.htm>

\*CyberSecurity Institute- offers certifications, along with other education opportunities. Courses are located at Edmonds Community College-Business and Technology Center <http://www.cybersecurityinstitute.biz/training/core.htm>

\* Computer Forensic Training Center- Online at the High Tech Crime network Authorized Training Site in Key Largo, Florida.

<http://www.worldwidelearn.com/keycomputer/forensic-training.htm>

\*For a list of many more Computer Forensic degree programs from many different colleges and area go to- <http://www.e-evidence.info/education.html>

#### **-Certifications-**

\*Certified Computer Examiner Certification (CCE)

<http://www.gocertify.com/article/certifiedcomputerexaminer.shtml>

\*CyberSecurity Forensics Analyst (CSFA),

<http://certifications.cybersecurityinstitute.biz/testCSFA.htm>

\*NTI Computer Forensics Certifications by the Oregon State University.

<http://www.forensics-intl.com/forensic.html>

### ***3) Career opportunities in Computer Forensics.***

Most any type of law enforcement to include the Local, State and Federal governments. Government jobs salary are much lower than working for private organization and corporations. For federal government jobs there is a listing of those available on the USA Jobs web site. The site includes jobs descriptions, application process, prerequisites, location and salary.