

CYBER SAFETY AND SECURITY INTERNSHIP

Academic Year 2017-2018

Created through a partnership between the Computing & Digital Technologies Program (CDT) at the University of Notre Dame and the St. Joseph County Cyber Crimes Unit.

Sponsored in part by Deloitte Consulting, LLP



PROGRAM OVERVIEW

The Cyber Safety and Security Internships is a partnership between the Computing & Digital Technologies (CDT) program at Notre Dame and the St. Joseph County Cyber Crimes Unit. The program is available to CDT students, especially those specializing in the Cyber Safety and Security track.

This extensive internship program is geared towards students looking to enter the field of cyber security and cyber forensics post-graduation. While in the internship program, students will be assigned to and work out of the St. Joseph County Cyber Crimes Unit. This work will include, but is not limited to:

- assisting on criminal case investigation
- conducting forensic computer examinations
- forensically imaging digital evidence
- conducting cellular telephone exams
- evidence logging & collection
- search & seizure
- preparation of subpoenas and search warrants
- applying case facts to appropriate state and Federal laws
- conducting e-discovery for criminal prosecutions
- court appearances and testimony, if needed.

In addition to on-the-job training, students may also be exposed to specialized learning experiences related to cyber forensics and undercover technology investigation. Among these courses are Digital Technology Introduction, Mobile Device Investigator, Electronic Evidence Legal Issues, BitTorrent Investigations, Ares Investigations, and eMule Investigations.

The internship program is structured as a tiered 3-year program, in which interns ideally will participate from sophomore through senior years, if possible. With each successive year in the program, interns will be assigned more duties and responsibilities. At the end of the senior year, intern will be fully trained and well versed in conducting cyber case investigations and digital forensics. Moreover, since this internship involves conducting active police investigations, the St. Joseph County Prosecutor will swear in interns so that they will have law enforcement powers during their time in the internship program. Of course, this status will be restricted only to those times when the intern is working on behalf of the St. Joseph County Prosecutor's office in an official capacity.

Interns will be paid for their participation (10-12 hrs/wk) in the internship program over the course of two semesters in each academic year. Using expected University hourly rate for student employees in the 2017-2018 year, the yearly compensation for an intern over a 28-week (two semester) engagement involving 12 hrs/wk would be approximately \$2,700. Working hours will be determined by the Cyber Crimes Director based on the student's academic schedule and responsibilities.

Qualifications and Applications

Qualifications

This program is intended primarily for CDT students, who are specializing the Cyber Safety and Security track, or who might have an interest in that track.

Entry-level qualifications for the program include:

- Enrollment in the CDT Core Programming Sequence (or equivalent experience)
- Basic knowledge of computer hardware, software, and networking.
- Basic knowledge of online social networking sites and apps, such as Facebook, Twitter, Instagram, Snap Chat, Kik, etc.
- Willingness to sign a confidentiality agreement and maintain a high degree of confidentiality regarding all investigations.
- Willingness to work with subject matter that may be disturbing. This may include violent crimes, crimes against children, crimes of a sexual nature, and crimes involving graphic digital images and movies.
- Willingness to submit to a basic background check.

Applications

Interested students should email a resume and 1-page statement of interest to:

Prof. Charles R. Crowell, Director
Computing & Digital Technologies Program
ccrowell@nd.edu

The statement of interest should summarize the student's qualifications and background and should indicate the reason(s) the student wants to take advantage of this program.

NOTE: Preference will be given to applicants who have 10-12 hrs/wk to devote and who anticipate being able to make a multi-year commitment to the program. All applications will be reviewed and final selections will be made by an advisory panel consisting of CDT faculty and personnel with the St. Joseph County Cyber Crimes Unit. Personal or phone interviews may be conducted as part of the final selection process.

The deadline for application for Fall positions is August 1, 2017. Any questions regarding the internship program application process may be directed to Prof Crowell (ccrowell@nd.edu). Questions related to the duties or responsibilities of the intern in the Cyber Crimes Unit should be directed to:

Mitch Kajzer
Cyber Crimes Director
St. Joseph County Prosecutor's Office
mkajzer@stjoepros.org