CYBER SAFETY AND SECURITY INTERNSHIP

Academic Year 2018 - 2019

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
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 digital security and digital analysis post-graduation. While in the internship program, students will be assigned to and work out of the St. Joseph County Cyber Crimes Unit, currently housed in Hammes Mowbray Hall. Work will include, but is not limited to:

- assisting on criminal case investigation
- conducting forensic computer examinations
- forensically imaging digital evidence
- conducting cellular telephone examinations
- 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
- conducting literature searches for technology research topics
- conducting research on technology and digital analysis topics
- extensive writing of warrants, reports, and other papers

In addition to on-the-job training, students will also participate in technology-related research. This may include conducting literature searches, formulating research ideas, collecting and analyzing data, and writing portions of papers. 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 for the student to participate the entire 2018 – 2019 academic year. 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 during the academic year. Using expected University hourly rate for student employees in the 2018-2019 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
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 mobile device technologies and operating systems.
- Basic knowledge of online social networking sites and apps, such as Facebook, Twitter, Instagram, Snapchat, Kik, etc.
- Basic research knowledge
- Excellent writing skills
- 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: 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 July 1, 2018. 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