

# CYBER SAFETY AND SECURITY INTERNSHIP

Created through a partnership between the Computing & Digital Technologies Program (CDT) at Notre Dame, the St. Joseph County Prosecutors Office, and St. Joseph County Law Enforcement.

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## PROGRAM OVERVIEW

This new internship program, expected to start in Fall, 2016, is based on a partnership between the Computing & Digital Technologies (CDT) program at Notre Dame, the St. Joseph County Prosecutor's Office, and St. Joseph County law enforcement. The program will be made 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 work directly with Cyber Crimes investigators in St. Joseph County. 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, Operation Child Shield, BitTorrent Investigations, Ares Investigations, and eMule Investigations.

This 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 2016-2017 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 Chief Investigator 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, such as Facebook, Twitter, Instagram, Snap Chat, and Yik Yak.
- Willingness to submit to a basic background check.
- 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.

## 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](mailto: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 Prosecutor's Office. Personal or phone interviews may be conducted as part of the final selection process.

The deadline for application for Fall positions is August 1, 2016, BUT DON'T WAIT since positions may be filled prior to the application deadline.

## Questions

Any questions regarding the internship program funding or application process be directed to Prof Crowell ([ccrowell@nd.edu](mailto:ccrowell@nd.edu)). Questions related to the duties or responsibilities of the intern in the Prosecutor's Office should be directed to:

Investigator Mitch Kajzer  
St. Joseph County Prosecutor's Office  
[mkaizer@stjoepros.org](mailto:mkaizer@stjoepros.org)