DoD: Cybersecurity Scholarship Program (CySP)

Meeting's Agenda on November 12, 2019

Minutes Approval

- Approval of the minutes of the last meeting held Oct. 10, 2019, see attachment #1.

Announcements:

- Please remember that you can still use the money in your Co-Op account to purchase cybersecurity related books as long as the PI, Dr. Farag, approves it.
- After several checks and many communications with various offices at IUP, the project PI can report that all of you should have received your laptops by now. Reasons for the delay that some of you experienced include confusion regarding laptop specs (fixed by reordering the correct laptop), internal communication delay between a few IUP offices, and the unfortunate fact that a vendor lost an order after IUP submitted it.
- On behalf of all of you, Dr. Farag has shared his concerns regarding this delay with upper IUP management, and he was promised that they will be looking at ways to address these issues.
- Thanks a lot for all who helped with the Cybersecurity Day on Oct 29.

Discussions:

- Cybersecurity Club updates: meetings topics, website, etc.
- Cybersecurity portfolio status, Dr. Farag has shared with all of you (sent by email) the sample Cybersecurity Portfolio of James, see attachment #2. All, please follow the same style and submit your portfolio to me by the end of November.
- Other issues???

Students' Reports:

- **Cesar, Rodney**
  - Any outstanding issues that might affect your academic performance and report on the progress on your assigned research project.
- **Griffith, Joshua**
  - Any outstanding issues that might affect your academic performance and report on the progress on your assigned research project.

- **Ieraci, Kaishia**

- Any outstanding issues that might affect your academic performance and report on the progress on your assigned research project.

- **Kotula, Brooklyn**
  - Any outstanding issues that might affect your academic performance and report on the progress on your assigned research project.
- **Lutz, James**
  - Any outstanding issues that might affect your academic performance and report on the progress on your assigned research project.
- **Troy, Timothy**
  - Any outstanding issues that might affect your academic performance and report on the progress on your assigned research project.

Renewal:

The CFP should be coming soon. I will update you once it is released. See the agenda of the meeting dated 8/27/2019 for additional details.

Questions??

att #1

Minutes for Cybersecurity Scholarship Program (CySP) Meeting

October 10, 2019 at 2:00 P.M. in Stright 331

Attended by: Dr. Waleed Farag, Dr. Soundararajan Ezekiel, Dr. Imran Ghani, Joshua Griffith, James Lutz, Kaishia Ieraci, Rodney Cesar, and Timothy Troy

Excused: Brooklyn Kotula

1. Approval of last meeting's minutes
2. Tuition and fee waivers have been processed
3. Book store accounts have been established and used
    a. If you still need to purchase books, do so as soon as possible
4. $12,500 per semester scholarship stipends have been processed and received
5. Everyone has submitted their laptop specifications, and all requests have been forwarded to the purchasing office
6. CySP recipients are strongly encouraged to participate in the Cyber Security Club and any other extracurricular cybersecurity activities that their schedules permit
7. Congratulations to James, Brooklyn, Josh, Kaishia and the rest of the team who participated in the CAE NE Hackathon on September 20th-21st and helped bring IUP to first place
    a. Details can be found at https://www.iup.edu/news-item.aspx?id=278717
    b. Each participant should have received an email containing a form regarding hometown news releases. Please fill out this form and send it to Dr. Farag as soon as possible.
8. CySP recipients are strongly encouraged to participate in the following cybersecurity events at IUP:
    a. Cybersecurity Day on October 29th in the HUB OHIO room
        i. Details can be found at https://www.iup.edu/cybersecurity/activities/cyber-security-ia-day/
        ii. Volunteers for the event will be needed. If you'd like to volunteer, contact Victor Sansing at bzfw@iup.edu
    b. Cybersecurity Seminar on November 7th in the KCAC

i. Details can be found at https://www.iup.edu/extended/events/cyber-security-seminar/
ii. Free for students + Free lunch

9. Important Announcements from the CySP program office:
    a. Recipients should have received an email warning them about the use of CBD products. CBD use is prohibited as a recipient of the DoD CySP
    b. Recipients may work during the academic year, but they MUST inform AND RECEIVE permission from Dr. Farag first. Work cannot interfere with your fulfillment of the CySP requirements
    c. Recipients should have received an email on September 18th with two attachments regarding travel for conferences. Travel is handled by the DoD CySP program office, but you must notify Dr. Farag as well

Student Reports:

1. Students must report on their grades, research progress, issues that might affect academic performance, and cybersecurity portfolio (clubs, conferences attended, etc.) every meeting. Short term goal of research is to present it at a poster session in early April 2020 at the IUP Scholar Forum. Long term goal is to turn research into a formal ACM/IEEE publication
    a. James Lutz – No academic issues
        i. Research: Serialization of Python objects (pickling) and analysis of the security risks associated with injection of Python pickles into other scripts
    b. Rodney Cesar – No academic issues
        i. Research: Machine-to-machine authentication and anomaly detection in the IoT. Working on literature review
    c. Brooklyn Kotula – Absent
        i. Research: Dark Web. Working on Literature review
    d. Joshua Griffith – No academic issues
        i. Research: Training a neural network to identify and exclude phishing emails
    e. Kaishia Ieraci – No academic issues

i. Training a neural network to extract context from emojis in tweets

f. Timothy Troy – No academic issues

i. Research: Secure software development using Agile approach. Working on literature review

Scholarship Renewal:

1. Renewal is based on merit

g. You must maintain the minimum 3.2 GPA and fulfill all program requirements

h. Renewal forms should be released later in the year (November/December)

Respectfully Submitted By: Rodney Cesar and Waleed Farag

Att # 2

Some Student (Template)

Portfolio

About Me

Two to three paragraphs about yourself.

Fall 2019

Course Work

- COSC 310 – Data Structures and Algorithms (3cr)
- COSC 316 – Host Computer Security. (3cr)
- PHYS 131 – Physics I with Calculus (+ Lab) (4cr)
- CRIM 102 – Survey of Criminology (3cr)
- ANTH 110 – Contemporary Anthropology (3cr)

Extracurricular Activities

- List past activities and ongoing activities during this current semester.

Spring 2020

Course Work

- COSC 341 – Intro to Database Management (3cr)
- MATH 309 – Discrete Mathematics (3cr)
- CRIM 354 – White Collar Crime (3cr)
- GEOG 104 – World Geography (3cr)
- GEOS 101 – The Dynamic Earth (3cr)

Extracurricular Activities

- List activities in the Spring 2020 semester.