

SATURDAY, APRIL 13, 2024 – PRE CAMP DAY 1

Proudly sponsored by:



Middle School Students

High School Students

9:00 AM – 10:45 AM

Session 1
*Welcome, Introduction to Team Members, Orientation,
 Logistics, Pre-Camp Survey and Introduction to Cybersecurity Concepts*
 Dr. Waleed Farag

10:45 AM – 10:50 AM

BREAK

10:50 AM – 12:35 PM

Session 2
Master the Cybersecurity Lingo
 Mr. George Karnbauer

Session 2
*Cybersecurity Fundamentals and
 GenCyber Concepts*
 Dr. Raj Ezekiel

12:35 PM – 1:15 PM

BREAK

1:15 PM – 3:00 PM

Session 3
*Security-Aware
 Programming Part I*
 Mr. Eric Pino

Session 3
*Protecting Integrity via Strong
 Hash Algorithms Part I*
 Dr. Xin-Wen Wu

SATURDAY, MAY 4, 2024 – PRE CAMP DAY 2

9:00 AM – 10:45 AM

Session 1
*Career Opportunities in
 Cybersecurity*
 Mr. George Karnbauer

Session 1
*Protecting Integrity via Strong
 Hash Algorithms Part II*
 Dr. Xin-Wen Wu

10:45 AM – 10:50 AM

BREAK

10:50 AM – 12:35 PM

Session 2
Introduction to Networking
 Mr. George Karnbauer

Session 2
*Security-Aware
 Programming Part I*
 Mr. Eric Pino

12:35 PM – 1:15 PM

SNACK BREAK

1:15 PM – 3:00 PM

Session 3
*Security-Aware
 Programming Part II*
 Mr. Eric Pino

Session 3
Red Team Strategies Part I
 Dr. Raj Ezekiel

MONDAY, JUNE 24, 2024 – CAMP DAY 1

Proudly sponsored by:



Middle School Students
112A Stright Hall (unless otherwise noted)

High School Students
107 Stright Hall (unless otherwise noted)

9:00 AM – 9:50 AM

Session 1.1
Camp Orientation and Logistics
Dr. Waleed Farag (Leonard 126)

9:50 AM – 10:00AM

BREAK

10:00 AM – 10:50 AM

Session 1.2
Tour of IUP Server Room and IUP Network Security Infrastructure
IUP IT Security Team

10:50 AM – 11:00 AM

BREAK

11:00 AM – 11:50 AM

Session 2.1
Data Concealing for Digital Privacy Protection
Dr. Xin-Wen Wu

Session 2.1
Security-Aware Programming Part II
Mr. Eric Pino

11:50 AM – 1:00 PM

LUNCH BREAK

1:00 PM – 1:50 PM

Session 2.2
Data Concealing for Digital Privacy Protection
Dr. Xin-Wen Wu

Session 2.2
Security-Aware Programming Part II
Mr. Eric Pino

1:50 PM - 2:00 PM

BREAK

2:00 PM – 2:50 PM

Session 3.1
History of Cryptography
Ms. Jacquie Gentile

Session 3.1
Data Concealing for Digital Privacy Protection Part I
Dr. Xin-Wen Wu

2:50 PM – 3:10 PM

SNACK BREAK

3:10 PM – 4:00 PM

Session 3.2
History of Cryptography
Ms. Jacquie Gentile

Session 3.2
Data Concealing for Digital Privacy Protection Part I
Dr. Xin-Wen Wu

TUESDAY, JUNE 25, 2024 – CAMP DAY 2

Proudly sponsored by:



Middle School Students

High School Students

9:00 AM – 9:50 AM

Session 1.1

Cyber Explorers: Generative AI in Action

Guest Speakers Ms. Joti Balani and Mr. Raj Sakthi

Session 1.1

Network Traffic Investigation Part I

Dr. Xin-Wen Wu

9:50 AM – 10:00AM

BREAK

10:00 AM – 10:50 AM

Session 1.2

Cyber Explorers: Generative AI in Action

Guest Speakers Ms. Joti Balani and Mr. Raj Sakthi

Session 1.2

Network Traffic Investigation Part I

Dr. Xin-Wen Wu

10:50 AM – 11:00 AM

BREAK

11:00 AM – 11:50 AM

Session 2.1

Security Achieved by Decentralization

Dr. Xin-Wen Wu

Session 2.1

Cyber Intelligence: Dynamics of AI Attach Vectors

Guest Speakers Ms. Joti Balani and Mr. Raj Sakthi

11:50 AM – 1:00 PM

LUNCH BREAK

1:00 PM – 1:50 PM

Session 2.2

Security Achieved by Decentralization

Dr. Xin-Wen Wu

Session 2.2

Cyber Intelligence: Dynamics of AI Attach Vectors

Guest Speakers Ms. Joti Balani and Mr. Raj Sakthi

1:50 PM - 2:00 PM

BREAK

2:00 PM – 2:50 PM

Session 3.1

Personal Cybersecurity

Ms. Jacquie Gentile

Session 3.1

Robotics and Algorithm Development Part I

Dr. Raj Ezekiel

2:50 PM – 3:10 PM

SNACK BREAK

3:10 PM – 4:00 PM

Session 3.2

Personal Cybersecurity

Ms. Jacquie Gentile

Session 3.2

Robotics and Algorithm Development Part I

Dr. Raj Ezekiel

WEDNESDAY, JUNE 26, 2024 – CAMP DAY 3

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Middle School Students

High School Students

9:00 AM – 9:50 AM

Session 1.1
Computational Thinking
Ms. Jacquie Gentile

Session 1.1
Network Traffic Investigation Part II
Dr. Xin-Wen Wu

9:50 AM – 10:00AM

BREAK

10:00 AM – 10:50 AM

Session 1.2
Computational Thinking
Ms. Jacquie Gentile

Session 1.2
Network Traffic Investigation Part II
Dr. Xin-Wen Wu

10:50 AM – 11:00 AM

BREAK

11:00 AM – 11:50 AM

Session 2.1
Security Aware Programming Part III
Mr. Eric Pino

Session 2.1
Red Team Strategies Part II
Dr. Raj Ezekiel

11:50 AM – 1:00 PM

LUNCH BREAK

1:00 PM – 1:50 PM

Session 2.2
Security Aware Programming Part III
Mr. Eric Pino

Session 2.2
Red Team Strategies Part II
Dr. Raj Ezekiel

1:50 PM - 2:00 PM

BREAK

2:00 PM – 2:50 PM

Session 3.1
Pros and Cons of Cashless Society
Ms. Jacquie Gentile

Session 3.1
Ensuring Availability: Troubleshooting Techniques
Mr. George Karnbauer

2:50 PM – 3:10 PM

SNACK BREAK

3:10 PM – 4:00 PM

Session 3.2
Pros and Cons of Cashless Society
Ms. Jacquie Gentile

Session 3.2
Ensuring Availability: Troubleshooting Techniques
Mr. George Karnbauer

THURSDAY, JUNE 27, 2024 – CAMP DAY 4

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Middle School Students

High School Students

9:00 AM – 9:50 AM

Session 1.1
Using Offensive Security to Identify and Mitigate Threats
 Guest Speaker Mr. Drew Rado

Session 1.1
Security Aware Programming Part III
 Mr. Eric Pino

9:50 AM – 10:00AM

BREAK

10:00 AM – 10:50 AM

Session 1.2
Using Offensive Security to Identify and Mitigate Threats
 Guest Speaker Mr. Drew Rado

Session 1.2
Security Aware Programming Part III
 Mr. Eric Pino

10:50 AM – 11:00 AM

BREAK

11:00 AM – 11:50 AM

Session 2.1
Intro to Digital Forensics
 Dr. Raj Ezekiel

Session 2.1
Using Offensive Security to Identify and Mitigate Threats
 Guest Speaker Mr. Drew Rado

11:50 AM – 1:00 PM

LUNCH BREAK

1:00 PM – 1:50 PM

Session 2.2
Intro to Digital Forensics
 Dr. Raj Ezekiel

Session 2.2
Using Offensive Security to Identify and Mitigate Threats
 Guest Speaker Mr. Drew Rado

1:50 PM - 2:00 PM

BREAK

2:00 PM – 2:50 PM

Session 3.1
Sharing What You've Learned with Others
 Ms. Jacquie Gentile

Session 3.1
Digital Forensics
 Mr. George Karnbauer

2:50 PM – 3:10 PM

SNACK BREAK

3:10 PM – 4:00 PM

Session 3.2
Sharing What You've Learned with Others
 Ms. Jacquie Gentile

Session 3.2
Digital Forensics
 Mr. George Karnbauer

FRIDAY, JUNE 28, 2024 – CAMP DAY 5

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Middle School Students

High School Students

9:00 AM – 9:50 AM

Session 1.1
*Ensuring Availability:
Troubleshooting Techniques*
Mr. George Karnbauer

Session 1.1
*Robotics and Algorithm
Development Part II*
Dr. Raj Ezekiel

9:50 AM – 10:00AM

BREAK

10:00 AM – 10:50 AM

Session 1.2
*Ensuring Availability:
Troubleshooting Techniques*
Mr. George Karnbauer

Session 1.2
*Robotics and Algorithm
Development Part II*
Dr. Raj Ezekiel

10:50 AM – 11:00 AM

BREAK

11:00 AM – 11:50 AM

Session 2.1
End of Camp Competition Set-Up
Ms. Jacquie Gentile, Mr. George Karnbauer, Mr. Eric Pino

11:50 AM – 1:10 PM

LUNCH BREAK

1:10 PM – 2:50 PM

Session 2.2
End of Camp Competition
Ms. Jacquie Gentile, Mr. George Karnbauer, Mr. Eric Pino

2:50 PM – 3:10 PM

BREAK

3:10 PM – 4:00 PM

Session 3
Camp Conclusion and Surveys
Dr. Waleed Farag