ONLINE Application: *http://bit.ly/1LmcYhc*

REGISTRATION INFORMATION

_____
Student's Full Name

_____
Email Address

_____
Street Address Apt#

_____
City State Zip

_____
Home Phone

_____ _____
Date of Birth (MM/DD/YY) Grade Level

_____
School Name

_____
School District (City)

EMERGENCY INFORMATION:

_____
Guardian's Full Name

_____
Emergency Phone

_____
Email Address

_____
Street Address (if different from student) Apt#

_____
City State Zip

Please send the following form to: Dr. Soon Chun
1 Washington Park, Room 1303, Newark, NJ 07102

COORDINATORS

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For more information, visit:
http://cimic.rutgers.edu/camp/camp2015

SPONSORS

National Science Foundation (NSF)

Rutgers CIMIC (Center for Info Management, Integration & Connectivity)

PARTNERS

iSecure Lab
CUNY College of Staten Island

Rutgers University Office of University-Community Partnerships
158 University Ave. Newark, NJ 07102
Phone: (973) 353-1630

RUTGERS
Rutgers Business School
Newark and New Brunswick

SCIENCE & TECHNOLOGY

SUMMER CAMP 2015

Data Analytics: Opportunities and Risks

June 29-July 10
8:30AM-12:30PM

Rutgers CIMIC, Newark

Phone: 973-353-1608

S&T Summer Camp 2015

MISSION

To provide an opportunity for middle and high school students to explore science and technology disciplines based on challenging and real-world problem solving. To apply the state-of-the-art technology to understand scientific concepts in solving real-world problems.

OVERVIEW

Our summer program is designed to introduce students to technology-based problem solving techniques through hands-on computer laboratory experiences, lectures, field visits, and group presentations. Past program topics focused on environmental problems such as water quality, smart growth of urban cities, animal biodiversity in our area, decision support for scientific sensor data collection, crisis management, data analytics and information security and privacy.

THEME

This year, our program will focus on learning the issues and practices related to "Data Analytics: Opportunities and Risks." Our society has been transformed into digital data-driven, Information and Knowledge economy where data is collected, processed and analyzed, integrated, disseminated, shared and sold easily.

Cyber activities such as online purchase, online banking, social networking, and online searches, generate tons of data about you, such as your identity, financial and social behaviors, your health issues, etc. In addition, the government also collects tons of data about citizens or businesses. This summer camp will focus on how these cyber data can be analyzed and used to create opportunities for a city government. It also investigates how the data can pose privacy risks and how to secure and protect personal data.

In particular, the summer campers will:

- Investigate different methods of online collection, integration and sharing of personal data
- Learn how to use data analytics tools to help the City of Newark to identify issues and to suggest alternative solutions for the City
- Discuss the privacy and security threats and societal issues of cyber data
- Learn privacy and security technologies and practices to protect cyber data
- Understand industry needs of data security skills and security professional career.

SUMMER CAMP GOALS

- Stimulate curiosity and excitement in middle/high school students through the introduction of the state-of-the-art computer tools and technology
- Place students in an actual university environment, interacting with scientists and computer professionals as role models.
- Allow scientists and computer professionals to transmit their own excitement with science and technology and spark the children's imagination and curiosity
- Demonstrate the feasibility of a career in science and/or information technology
- Disseminate the success of the program to universities and middle/high schools nationwide

ELIGIBILITY

Selection for the program is based on the following criteria:

- Students attending junior and high schools (grades 8-12) in Newark NJ area
- A strong interest in science, mathematics, and technology
- Recommendations from teachers and/or counselors
- Preference is given to underrepresented minorities (African-American, Hispanic, and Native American)

ONLINE APPLICATION (required)
Visit: *http://bit.ly/1LmcYhc*

Email notification of acceptance to the program will be sent by June 15, 2015