

Research Experiences for Undergraduates (REU) Site

Work on research with world-renowned scientists at **USC's Information Sciences Institute** in beautiful Marina del Rey.

Combine work and pleasure at this unique summer research opportunity. Work on hot topics in networking, cybersecurity, natural-language processing and data science!



Use your computer science, math or engineering skills to help us build more robust, reliable, secure and user-friendly communication. Use your psychology, anthropology, political science and language skills to bridge the gap between technology and people.

Meet top researchers and network with a diverse and vibrant group of graduate and undergraduate students.

And over the weekend enjoy breezy and sunny southern California.



USC Viterbi

School of Engineering
Information Sciences Institute

The Information Sciences Institute (ISI) is a world leader in research and development of advanced information processing, computer and communications technologies.

As a unit of the University of Southern California's highly ranked Viterbi School of Engineering, ISI is one of the nation's largest, most successful university-affiliated computer research institutes.

A pacesetter for more than 40 years, ISI helped conceive, design and implement the Internet, including communications protocols that remain fundamental to Net operations. We also invented and developed the Domain Name System (DNS), the text-to-numerical-IP-address system that is essential to Internet functionality. And we managed significant Internet functions, including the Request for Comments that catalyzed and captured the emerging network, for decades.

To see the list of research projects expected in the summer please visit: <http://reu.isi.edu>



Our REU site internship participants will be engaged in research that spans four themes under the umbrella of “**Human Communication in the Connected World**”



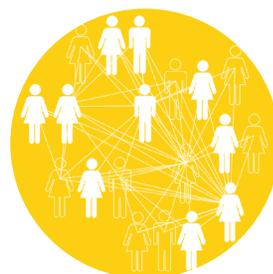
Communication



Cybersecurity



Information
Retrieval



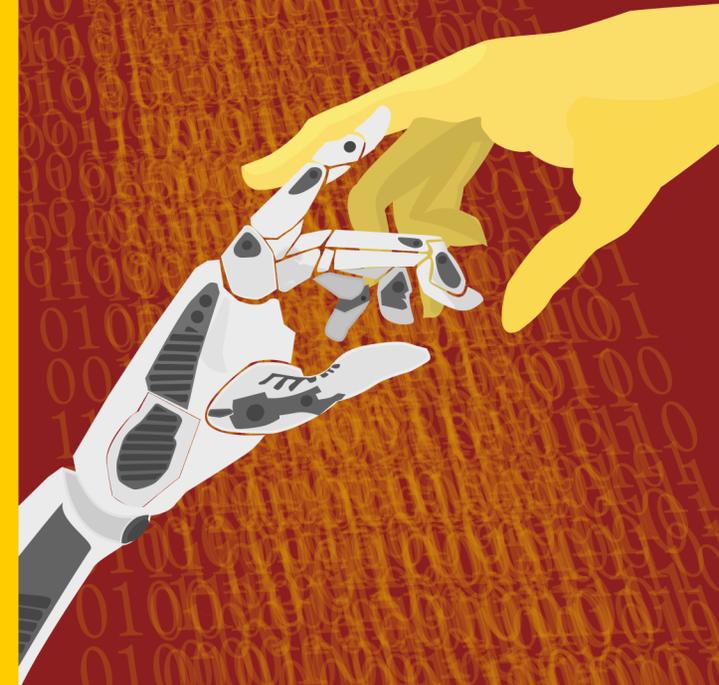
Information
Flow

The themes span the vertical stack of the human communication: protocols and physical communication medium (**how we connect computers so they can talk to each other?**), cybersecurity (**how do we communicate securely?**), information retrieval (**making sense of information in automated manner**), and information flow (**how information spreads in social networks?**).

These themes are emerging today, because of the increased use of the Internet in our daily lives. This poses challenges for communication and cybersecurity, and creates the need for information retrieval and understanding information flow.

To apply and for more info visit: <http://reu.isi.edu>

Applications due	Mar 15
Acceptance notifications	April 15
Program duration	May 28 - July 21



Human Communication in the Connected World

Summer Internship

USC Viterbi

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