USC University of
Southern California

Lead Research Engineer

Job Description

To grow your career at USC, consider open positions across our campuses.

USC's **Information Sciences Institute (ISI)**, a unit of the university's Viterbi School of Engineering, is a world leader in the research and development of advanced artificial intelligence, information processing, computing, cybersecurity, and communications technologies. ISI's 350 faculty, professional staff and graduate students carry out extraordinary information sciences research at three distinct locations - Marina Del Rey, CA; Arlington, VA; and Waltham, MA.

This position can be done remotely.

The VIMAL - Visual Intelligence and Multimedia Analytics Laboratory at ISI is looking for a Lead Research Engineer. This lab will focus on developing ethical artificial intelligence algorithms and systems for secure biometrics, fighting misinformation and improving health care.

JOB ACCOUNTABILITIES:

- Implements research project solutions in one or more programming languages to meet technical needs. Maintains currency with and applies best practices in design, implementation, and engineering. Oversees implementation of solutions to targeted research systems issues and tools to support project goals. Leads and provides feedback on technical implementation of others. Provides technical contributions in diverse areas to systems to which they are the primary developer and in areas in which they are brought on to consult.

- Translates domain-specific needs into implemented solutions. Applies domain-specific knowledge, gained from independent research, to implement project solutions. Demonstrates domain expertise and technical contributions in several related research areas. Reviews and evaluates results and conclusions of research projects.

- Works as a member of a team, collaborating closely with supervisor(s) on technical progress and challenges. Provides guidance on technical decisions for assigned projects and projects in related areas. Establishes best practices within and/or across projects.

- Summarizes progress for project reports. Leads and/or participates in meetings with external collaborators and/or cross-group meetings about program-level direction, serving as sole team representative as appropriate. Presents the work of the team as a whole to external audiences. Writes or assists in writing grant proposals as appropriate.

- Learns new technology required to support project goals via tutorials, reading research publications and/or attending appropriate conferences. Stays informed of new developments

and technologies by reading and contributing to journals and other pertinent publications and participating in professional meetings and workshops.

- Promotes an environment that fosters inclusive relationships and creates unbiased opportunities for contributions through ideas, words, and actions that uphold principles of the USC Code of Ethics.

- Performs other related duties as assigned or requested.The university reserves the right to add or change duties at any time.

PREFERRED QUALIFICATIONS / EXPERIENCE

- Strong knowledge of electronics, microcontrollers and electrical circuit design.
- Experience with Git and Java.

The University of Southern California values diversity and is committed to equal opportunity in employment.

Minimum Education:
Master's degree

Minimum Experience:
10 years

Minimum Skills:
Knowledge of one or more relevant programming languages (e.g., Python, C++).
Experience with Linux.
Experience with Ansible, and Bash.
Proven leadership ability.
Excellent written and oral communication skills.
USC is an equal opportunity, affirmative action employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, protected veteran status, disability, or any other characteristic protected by law or USC policy. USC will consider for employment all qualified applicants with criminal histories in a manner consistent with the requirements of the Los Angeles Fair Chance Initiative for Hiring ordinance. We provide reasonable accommodations to applicants and employees with disabilities. Applicants with questions about access or requiring a reasonable accommodation for any part of the application or hiring process should contact USC Human Resources by phone at (213) 821-8100, or by email at uschr@usc.edu Inquiries will be treated as confidential to the extent permitted by law.

Read USC's Clery Act Annual Security Report

Notice on Non-Discrimination

Certain positions are subject to background screening

EEO is the Law

EEO is the Law Supplement

Pay Transparency Non-Discrimination

USC is an E-Verify Employer

External Site URL	https://usc.wd5.myworkdayjobs.com/ExternalUSCCareers/job/Arlington-VA/Lead-Research-Engineer_REQ20111787
Social Share Title	We're Hiring for Lead Research Engineer!
Job Posting Summary Text	Minimum Education: Master's degree Minimum Experience: 10 years Minimum Skills: Knowledge of one or more relevant programming languages

Job Details

Job Requisition ID	REQ20111787
Location	Arlington, VA
Posting Date	01/26/2022 - 14 days ago
Job Family	Computer Research
Time Type	Full time
Job Type	Staff
Supervisory Organization	Viterbi School of Engineering: Information Sciences Institute_56 (Wael Abd-Almageed)

Recruiter

Melissa Snearl-Smith

Recruiter

Sharon Uyeda

Hiring Manager

Wael Abd-Almageed

Team Members