

# FIELDS

## (Fellowships and Internships in Extremely Large Data Sets)

A program funded by NASA MIRO (MUREP Institutional Research Opportunity)

Educating the next generation of researchers in big data analytics and visualization.

## FIELDS Undergraduate Internship Opportunity

Successful careers in Science, Technology, Engineering and Mathematics (STEM) fields, to a large extent, depend on having the skills to understand and analyze large amounts of data and to extract information from them. The University of California, Riverside (UCR) and NASA's Jet Propulsion Laboratory (JPL) have developed the FIELDS program to train the next generation of scientists and engineers in large-scale data analysis and visualization. Students going through this program will acquire the research knowledge and skills for future employment in NASA, other government agency, industry or academic labs. There are a number of opportunities for undergraduates in the STEM fields, particularly for underrepresented minorities.

### FIELDS Summer Internship at NASA's Jet Propulsion Laboratory

Undergraduate students from community colleges and research universities are invited to apply for a 10 week summer internship program at JPL in Pasadena, California. The intern will be working under a JPL science staff member on projects involving intense data processing and analysis. A \$6,000 stipend will be provided for the duration of the internship, from which the student will subsidize their own room and board.

The awarded intern will also receive mentoring, advising and professional development training and this program could lead to a PhD program in a STEM field at UCR or another campus.

Underrepresented minorities are strongly encouraged to apply.

### QUESTIONS AND CONTACT

At CSUDH:

If you are interested in taking part in this program then please visit our website (<http://bigdata.ucr.edu>) or send an email to Mohsen Beheshti, Chair of the Computer Science Dept., [MBeheshti@csudh.edu](mailto:MBeheshti@csudh.edu). You will then be contacted for an informational session.

At UCR:

Reynal Guillen, PhD., FIELDS program manager  
Room 3005, Physics and Astronomy Department  
<http://bigdata.ucr.edu>

[reynal.guillen@ucr.edu](mailto:reynal.guillen@ucr.edu)  
University of California, Riverside

Tel: 951.827.5365

### HOW TO APPLY

Applications should be submitted online at <http://bigdata.ucr.edu/fields/internships/summer-internships/>.

The documents needed to apply include: a) unofficial transcripts; b) a self-statement including biographical background, major, computer programming experience and desired career goals; and a c) letter of support from a faculty member.

Deadline for applications: December 2nd, 2016.