

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 Opportunities

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 knowledge and skills for future employment in the NASA or other government labs, industry and academia. There are a number of opportunities for undergraduates in the STEM fields and in particular for underrepresented minorities.

1) FIELDS Research Laboratory Internship at UCR

There are opportunities for UCR undergraduates with majors in a STEM field to perform research under a UCR faculty member. Preferably, this should be in collaboration with a member of the science staff at a NASA center. Students will receive \$3,000 per annum with career development training.

2) FIELDS Summer Internships at NASA's Jet Propulsion Laboratory

Undergraduate students from the community Colleges, California State Universities and research universities are invited for a 8-10 weeks summer internship program at JPL. They will be working under a JPL science staff on projects involving intense data processing and analysis. Free housing and food allowances will be provided with an additional \$2,000 stipend for the duration of the internship.

For these opportunities, students also receive mentoring, advising and professional development training.

Underrepresented minorities are strongly encouraged to apply.

QUESTIONS AND CONTACT

LAMC:

If you are interested to take part in these programs, please send an email to Prof. Mike Fenton, FentonMS@lamission.edu. You will then be contacted for an informational session.

UCR:

Reynal Guillen, PhD. FIELDS program manager
Room 3005, Physics and Astronomy Department University of California, Riverside

reynal.guillen@ucr.edu

<http://bigdata.ucr.edu>
Tel: 951.827.5365

HOW TO APPLY

Applications should be submitted (by email) to: Reynal Guillen, Ph.D. (Program Manager), reynal.guillen@ucr.edu

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

Deadline for applications: December 7th 2015.