



# CRA-W

Computing Research Association  
Women

## What is Computing Research? How Can I Participate?

### Why participate in research opportunities?

- Earn stipend, scholarship, or credit
- Think through (and even solve!) challenging problems
- Gain knowledge and expertise
- Work with accomplished researchers
- Prepare for graduate school
- Learn life-long skills
- Build professional relationships
- Apply and discover new ideas and methodologies
- Improve your communication abilities
- Contribute to a specific area of knowledge

### How do you find research opportunities?

Ask your professors, advisor for opportunities. Visit research groups in your department.

Search for “Undergraduate Research Experience” on the web.

Here’s just a sample of what you’ll find:

- CRA-W Undergraduate Research Programs: CREU and DREU, see back of this page  
<http://cra.org/cra-w/for-undergraduates/>
- National Science Foundation Research Experiences for Undergraduates (REU):  
[http://www.nsf.gov/crssprgm/reu/reu\\_search.jsp](http://www.nsf.gov/crssprgm/reu/reu_search.jsp)
- COmputer ScieNce UndErgraduate Research (CONQUER) resources:  
<http://conquer.cra.org/students/finding-research-opportunities>
- Department of Navy (DoN) Programs for Undergrad and Grad Students:  
<http://nreip.asee.org/>
- NSERC USRA in Canada:  
inquire with your department to find out how it works at your university.
- UROP Undergraduate Research Opportunities Programme at Imperial College London (UROP):  
<http://www.imperial.ac.uk/urop>
- IIT Summer Internships:  
<http://www.researchx.in/index/iit-hyderabad-summer-internship>

### When to apply?

Private Companies, Government Labs	Mid Fall – February
DREU and NSF REU programs	Mid February to Mid March e.g., DREU due date is Feb 15
CREU program	Mid May
Your College / University	Often early in the calendar year

These are typical final due dates – many places start accepting applications and awarding positions much sooner. **Start Early!**

Visit us at [CRA-W.org](http://CRA-W.org)  
Follow us @CRAWomen

(OVER)



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## CRA-W Undergraduate Research Programs

(For more comparison information: <http://cra.org/cra-w/creu/#compare-to-dreu>)

	DREU	CREU
Time	Summer (10 weeks)	Academic year plus optional summer
Stipend per student	\$7000 per summer; relocation travel assistance when appropriate	\$1500 per semester and \$4000 during optional summer extension
Location	Mentor's institution	Student's institution
Deadline to apply	February 15	May 18

## What to include in your Undergraduate Research Resume

- Relevant courses
- GPA - You'll also typically need to submit a transcript
- Major projects
- Publications (if you have them; most undergraduates don't)
- Work experience
- Languages, tools, etc. including level of proficiency

**Be careful, neat, and honest**

## Additional Resources:



CRA-W resources for undergraduates:  
<http://cra.org/cra-w/for-undergraduates/>



Virtual Undergraduate Town Hall Series:  
<http://cra.org/cra-w/undergrad-town-hall-series/>