



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 skills
- Contribute to a specific area of knowledge

How do you find research opportunities?

Ask your professors and mentors 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
<https://cra.org/cra-w/for-undergraduates/>
- National Science Foundation Research Experiences for Undergraduates (REU):
https://www.nsf.gov/crssprgm/reu/reu_search.jsp
- COmputer ScieNce UndErgraduate Research (CONQUER) resources:
<http://conquer.cra.org/>
- Department of Navy (DoN) programs for college students:
<http://nreip.asee.org/>
- NSERC USRA in Canada:
inquire with your department to find out how it works at your university.
- Research Internships in Science and Engineering in Germany
<https://www.daad.de/rise/en/>
- HKU CS Research Internship Programme:
<http://www.cs.hku.hk/rintern/>

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 typically mid February
CREU program	Mid May
Your College / University	Often early in the calendar year

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

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(OVER)



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CRA-W Undergraduate Research Programs

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

	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	Mid February	Mid May

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:
<https://cra.org/cra-w/for-undergraduates/>



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

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