

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?

CRA-W/CDC Undergraduate Research Programs: CREU and DREU, see back of this page
<http://cra.org/cra-w/>

CRA Conquer (COMputer SCIENCE UndErgraduate Research) website:
<http://cra-ccc.org/ugresearchchopps/>

NSF: Research Experiences for Undergraduates (REU):
http://www.nsf.gov/crssprgm/reu/reu_search.cfm

Office of Naval Research: <http://nreip.asee.org/> (Online application typically opens Oct. 1)

NSERC USRA in Canada (inquire with your department to find out how it works at your university)

Research internships at INRIA (the French Institute for Research in Computer Science):
<http://www.inria.fr/en/institute/recruitment/join-us/doing-a-research-internship>

Research internships in Germany (CS is not explicitly included, but see the FAQ for finding projects that include significant computing components.): <https://www.daad.de/rise/en/index.html>

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

Search for “Undergraduate Research Experience” on the web.

When to apply?

NSF Summer REUs (including CRA-W/CDC DREU):
Mid February to mid March

CRA-W/CDC CREU: Mid May

Private companies and government labs:
Early January to February

Your own college/university:
Often early in the calendar year as well

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

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CRA-W/CDC 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 15

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/>