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DENVER

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STUDENT LIFE  
Career Services

# Discovering Research Opportunities

John Haag  
University Career Center  
Appointments 303-871-2150  
John.haag@du.edu

# Agenda

## Two steps to obtaining a research internship or job

- **Part 1: Finding positions**
  - Existing listings (reactive - apply to positions that are posted)
  - Propose an internship (pro-active – create your position)
- **Part 2: Successfully applying for them:**
  - Resume, cover letter, networking and interview prep
  - Understand skills employers seek & identify yours
  - LinkedIn - promote yourself! Be able to be found!
  - Follow up

# Finding existing listings (reactive)

**Google:** Search using these terms. Try various combinations along with the words 'research internship': biology, biochemistry, chemistry, clinical, environment, geography, math, molecular biology, molecular biology lab, , physics, pre-health, summer scholar, undergraduate, etc. – **try including the state or country**

**DU databases:** Pioneer Careers & UCAN

**DU job/internship search sites shown on website:**

**LinkedIn:** 'Jobs' section. Also search using the search terms listed above.

**DU faculty:** ask if they have leads or ideas

**Network w/ alums:** LinkedIn - 'Find Alumni' option in 'Connections' section.

- Tips 1. [Best Way to Network with Alumni on LinkedIn](#)
- 2. [Start Mapping Your Career With LinkedIn Alumni](#)

# Proposing an internship (pro-active)

Requires more effort

Eliminates competition

Demonstrates initiative and maturity

- Be specific – what would you like to do?
- What are your qualifications? Education, experience, character traits.
- Organization name or type of organization
- Location(s)
- Key contact person
- Resume - listing all information relevant to the employer
- Cover letter – promoting how you can be of benefit
- Recommendations from supervisors/professors

# Skills Employers Seek

## Top Skills/Qualities Employers Value:

- Ability to make decisions & solve problems
- Ability to communicate w/ people inside & outside the organization
- Ability to obtain and process information
- Ability to plan, organize and prioritize work
- Ability to analyze quantitative data
- Technical knowledge related to the job
- Proficiency with computer software programs
- Ability to create and/or edit written reports
- Ability to sell or influence others
- Detailed/accurate
- Collaboration/team work

# Resources -1

- [DU - Opportunities for Undergraduate Research](#)
- [DU - Undergraduate Research Center](#)
- **Search LinkedIn and Google** using these terms or search strings. Try various combinations along with the words **research internship**: biology, biochemistry, chemistry, clinical, environmental, math, molecular biology, molecular biology **lab**, physics, pre-health, summer scholar, sustainability, undergraduate, etc. **Try including the state or country**
- [LinkedIn Directory of Groups](#) Example: [Science Jobs](#)
- **LinkedIn Learning Webinars – free.** To help get started using your account or to learn more about LinkedIn features and functionalities, attend free online presentations. Register for any webinar listed below by clicking on the session you are interested in. You must register at least 24 hours in advance to receive the confirmation email containing instructions on how to join your session.
- [Creating an Online Presence on LinkedIn – Part 1](#)
- [Engaging With Your LinkedIn Network - Part II](#)

# Resources - 2

Even though some deadlines may have passed, check anyway since some employers have multiple rolling deadlines per year.

- [Summer Research Opportunities in Biomedical Research and for Pre-Medical Studies Students](#) (courtesy Rochester Institute of Technology (RIT))
- [Pathways to Science](#). Numerous STEM opportunities.
- [Science Undergraduate Laboratory Internships \(SULI\)](#) – at the 17 Dept. of Energy (DOE) national labs
- [Summer Opportunities for Pre-Health Students](#) (courtesy Johns Hopkins U.)
- [National Institutes of Health \(NIH\) – Undergraduate Research](#)
- [NIH – summer programs outside the NIH](#) (see the fourth listing)

# Resources - 3

- [National Science Foundation \(NSF\) – Research Experiences for Undergraduates \(REU\)](#) – scientific disciplines including small business
- [NSF - Graduate Research Fellowship Program \(GRFP\)](#)
- [Assn. of American Medical Colleges Summer Undergraduate Research](#)
- [Sci MON \(Math Opportunities Network\)](#) – some are open to students from any school (example: UT Southwestern Graduate School of Biomedical Sciences - third from the end)
- [Mayo Clinic Summer Undergraduate Research Fellowship](#)
- [Summer research opportunities](#) (courtesy of Cornell University)
- [Science.gov - Internship and Fellowship Opportunities in Science](#)



# Resources - 4

- [Summer Research Programs](#) (courtesy of Journal of Young Investigators)
- [Summer research in Germany 'Research Internship in Science & Engineering' \(RISE\)](#). The working language will be English!
- [Various other German research opportunities](#)
- [Pasteur Foundation Summer Internship Program in France](#)
- [Int'l Research Experiences for Undergraduates \(courtesy Georgia Tech\)](#)
- [Council on Undergraduate Research \(CUR\)](#) – matches undergraduates with research experience
- [Exceptional Research Opportunities Program \(EXROP\)](#) – for students from underrepresented groups in the sciences
- [ZINTELLECT](#) - internships, experiential learning opportunities, academic fellowships and scholarships funded by government and private sector organization



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John Haag – Career Advisor  
University Career Center  
30 Driscoll Student Center South  
Appointments: 303.871.2150

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