Berkeley
UNIVERSITY OF CALIFORNIA

Berkeley
Career Engagement

Career Workshop for Math Majors

Please complete the pre-survey before the workshop starts:

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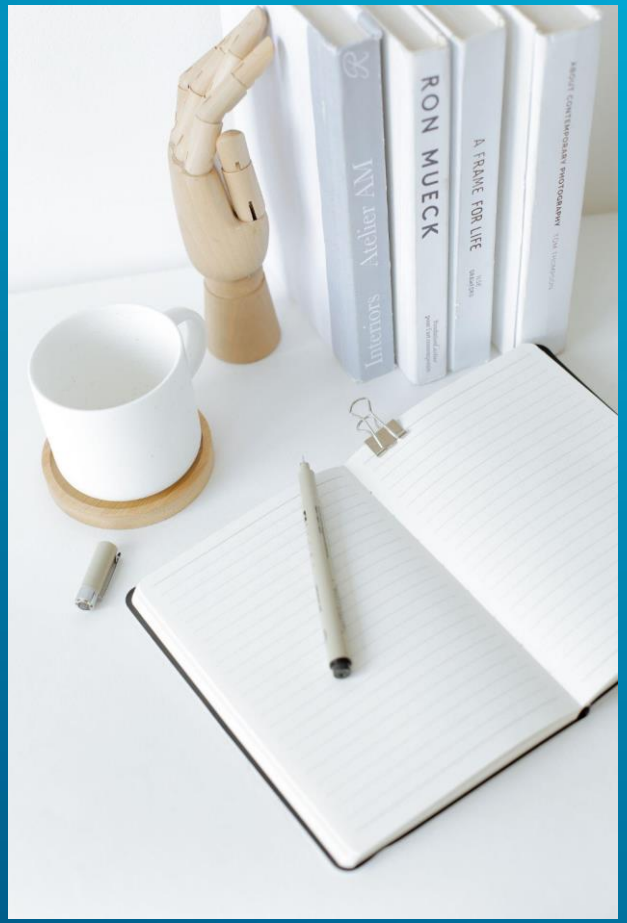
Agenda

1. Using Berkeley Career Engagement's Where Do Cal Grads Go? data and other resources, identify a top career path
2. Find 3-5 job descriptions for this top career path and determine the skills needed
3. Determine which skills you already have and which ones you need to develop
4. Make a plan for how you will get the skills you still need to develop



Connecting majors to careers

1. Explore what other people have done

Where Do Cal Grads Go? Survey

Alumni on Berkeley Career Network

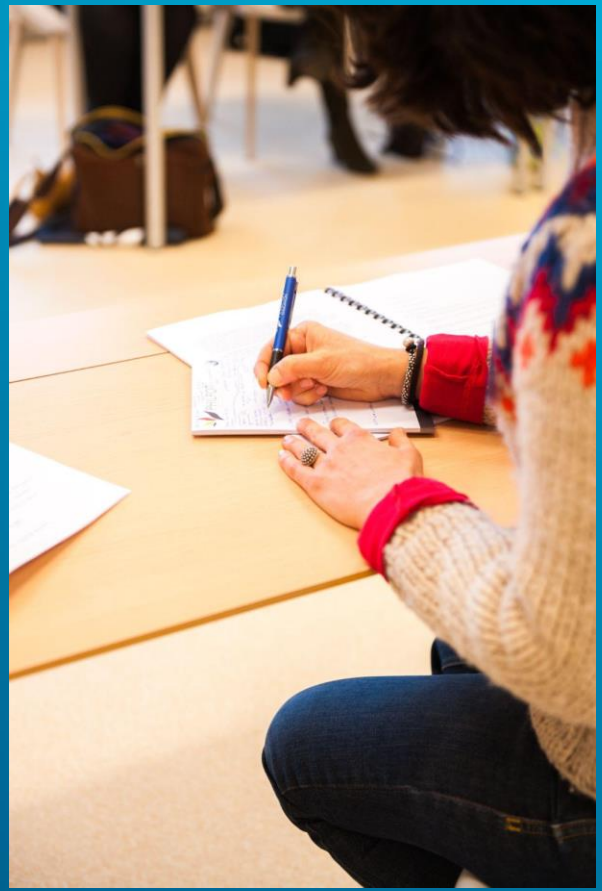
Alumni on LinkedIn

2. Explore industries

What Can I Do With A Major In...?

3. Explore positions

Candid Career



4. Explore the jobs currently available

Jobs on Handshake

(search by major)

Determine and explore your top career choice

Sample job titles for math majors

- Actuarial analyst
- Business analyst
- Data analyst
- Data scientist
- Consultant
- Quantitative trader
- Research associate or assistant
- Software engineer
- Teacher

Sample employers for math majors

- Accenture
- Amazon
- Citadel
- Federal Reserve Bank
- IBM
- Lawrence Berkeley National Lab
- NASA
- NVIDIA
- Oakland Unified School District
- Tata Consultancy Services

Develop a Goal

- After looking through the Where Do Cal Grads Go? Survey data or other resources, pick your top choice of careers at this time

- Find 3-5 job descriptions for this top choice
  - Use Handshake, Linkedin, Indeed, Monster, or another online job board

- For each job description, pay attention to the technical and transferable skills that are required

- Make a list of the skills you have and the skills you don't have

- Do you notice any themes across the job descriptions?

Sample List of Skills

Research
Leadership, previous research experience, Python, R,
Matlab, GIS

Teaching
Mentoring, tutoring, classroom experience, curriculum
development

Data Analytics/Science
SQL, Excel, Tableau, Python, R, SAS

Software Engineering
Python, Javascript, Java, C#, C, C++, R

Upgrade your skills

Develop Objectives

- Write how you will obtain at least 2 of the skills that you listed you do not have that were important based on the job descriptions:

    - Take a course or DeCal
    - Take a workshop (check out D-Lab or Cal NERDS)
    - Project experience
        - Student club project (search for clubs on CalLink)
        - Personal project
        - Open source project (open source guide)
        - Competition (Devpost for hackathons and Kaggle for datathons)
    - Internship (Handshake)
    - Micro-internship (Parker Dewey)
    - Research (Office of Undergraduate Research & Beehive)
    - Volunteering (idealist)

Post-survey

Berkeley Career Engagement Resources

- Berkeley Career Engagement main website
- Handshake
  - Explore jobs/internships
  - Register for events
  - Schedule career counseling appointments
- Career Peer Advisor drop-in hours
- Our Go-to Resources for Students

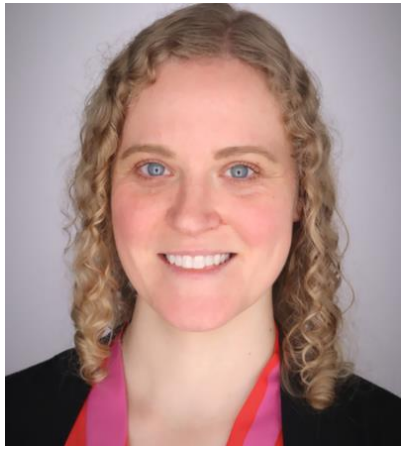
Peer Advisor Drop-Ins

Career Counseling Appointments

Make an 1:1 appointment through Handshake for:

- Career exploration
- Internship & job search
- Resume & cover letter
- Mock Interview
- Offer Negotiation
- Graduate school
- And more!

Jesselle Hoque



Revae Contreras

Appointments available via:

- In Person
- Video
- Phone
- Written Feedback

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CAREER CENTER

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