MICS
Career Services
Overview

Mary McHale
MICS Career Advisor

Berkeley SCHOOL OF INFORMATION

Agenda

1 Career Outlook and Outcomes

2 Career Services

3 Job Search

4 Maximize Your I School Experience

Cybersecurity Careers

THIS PRAYING MANTIS TRAPPED IN AMBER IS OVER 30 MILLION YEARS OLD.

ALMOST ENOUGH YEARS OF EXPERIENCE FOR A JUNIOR CYBERSECURITY ROLE.

Hiring Headlines

CNBC

Companies have an 'incredible need' for this in-demand skill, says Google exec—and it pays over $100,000 a year

There are nearly 600000 unfilled cybersecurity jobs in the U.S. right now, says Lisa Gevelber, Google's chief marketing officer for the...

Nov 24, 2023

TechTarget

Top 8 In-Demand Cybersecurity Jobs for 2024 and Beyond

Top 8 in-demand cybersecurity jobs for 2024 and beyond · 1. Cybersecurity engineer · 2. Infosec analyst/cybersecurity analyst · 3. Network...

3 weeks ago

Yahoo Finance

3M unfilled cybersecurity jobs 'a problem': CrowdStrike CEO

While November jobs data outpaced economist expectations, many sectors are still struggling to fill roles, including cybersecurity.

National Defense Magazine

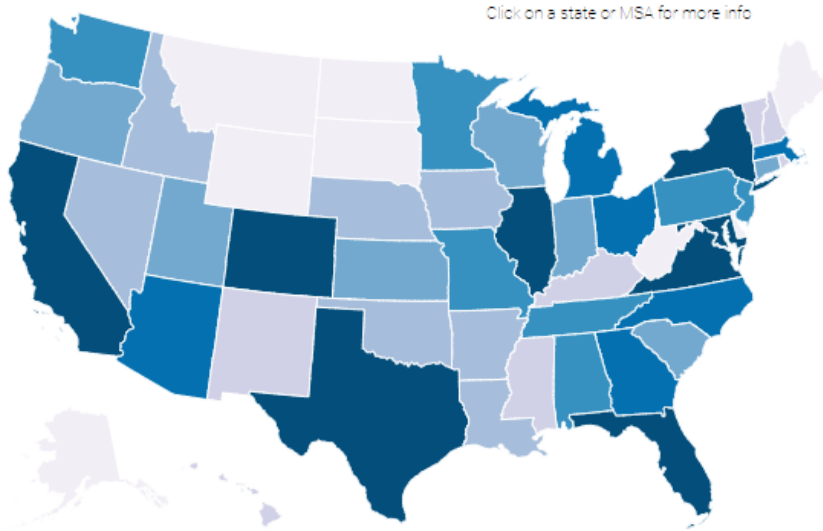**U.S. Desperately Needs Cyber Talent, Congress Says**

With almost 700,000 cybersecurity job openings, the United States doesn't have enough cybersecurity experts to protect the nation's critical...

Cybersecurity Job Market 2024

- Worldwide 3.5M+ cyber jobs open in 2023,-572, 392 US alone.

- Cyber security is an ever-growing industry. It is projected to grow 35% by 2031. *US Bureau of Labor Statistics*

- While slower, hiring is more insulated from economic downturns-Bad Actors recognize the opportunity

- Expect to hire more women and under represented populations

- Employers excited about **MICS program & UCB brand**

- Networking building trust is extremely important

- Salaries vary widely according to role and location - commonly $100K - $250K Executive range from $250K - $450K
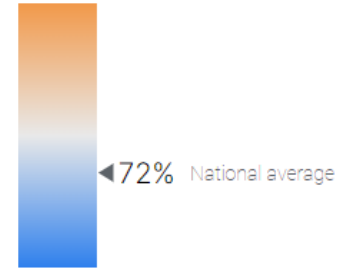
"The Hottest Job In Tech"

Click on a state or MSA for more info

TOTAL JOB OPENINGS
- 727 - 2,543
- 2,544 - 4,826
- 4,827 - 7,041
- 7,042 - 9,120
- 9,121 - 17,945
- 17,946 - 25,301
- 25,302 - 80,284

https://www.cyberseek.org/heatmap.html

National Level

SUPPLY/DEMAND RATIO ⓘ

NATIONAL, 2024

◄72% National average

TOTAL CYBERSECURITY JOB OPENINGS ⓘ

NATIONAL, 2024

572,392

TOTAL EMPLOYED CYBERSECURITY WORKFORCE ⓘ

NATIONAL, 2024

1,178,662

UC Berkeley Named #1 Online Master's in Cybersecurity

Berkeley SCHOOL OF INFORMATION

Ranked the #1 Online Master's in Cybersecurity

by Fortune Magazine

FORTUNE | EDUCATION

ARTICLES   RANKINGS ˅   MORE ˅

1. University of California–Berkeley

Berkeley, CA

The University of California–Berkeley doesn't require applicants to submit a GRE score to qualify for admission into its online master's degree program in information and cybersecurity. Last year, students accepted into this program had a 3.46 undergraduate GPA and 10 years of work experience, on average. International applicants are required to submit TOEFL scores and the program has a one-year retention rate of 95%. Two letters of recommendation are required for the 27 credit-hour program.

Getty Images

Career Outlook and Outcomes

MICS Graduate Outcomes and Observations

- May make job changes any time….while in the program or several months after graduation

- Frequently move between technical, policy, management and roles

- Students and alumni working in industry, government, consultancy, and defense

Master of Information and Cybersecurity (MICS)

The Master of Information and Cybersecurity (MICS) program does more than create experts in information security; it shapes leaders who understand the implications of cybersecurity across all industries with the ability to drive the future of innovation in information security. The interdisciplinary MICS curriculum focuses on the intersection of cybersecurity's technical, social, political, economic, legal, and ethical components. The program provides hands-on practical experience with security systems and applications, and the ability to lead, manage, and contribute to building cybersecurity solutions.

2022 Alumni Profile*

66 graduates

7.5 average years work experience prior to start of program

Average Salary

$177,143

Median Salary

$175,000

Alumni Career Fields & Titles

ENGINEERING (26%)
Cybersecurity Engineer
Software Engineer

OTHER (19%)
Cybersecurity Consultant

SECURITY (15%)
Information Security Architect
Information Security Engineer
Product Security

LEADERSHIP (29%)
Chief Information
Security Officers
Senior Vice President
CEO/President
Director

RISK/COMPLIANCE/ AUDIT (11%)
Risk & Compliance Analyst
Security Auditor

CAREER OUTCOMES

67% of respondents received a **salary increase**

81% attribute **job changes/salary increases** to MICS

85% say MICS **contributed positively** to career

43% started a **new job** during or after MICS

92% in a **higher level role** than previous role

SELECTED EMPLOYERS**

BANK OF AMERICA

Google

paloalto NETWORKS

U.S. ARMY

NVIDIA

mastercard

Liberty Mutual

CISCO

MILLENNIUM SPACE SYSTEMS
A Boeing Company

stripe

INTUIT

DIVERGENT

* This report represents the 42% of graduates who responded to the career outcomes survey. 35% of graduates reported their salary data. Data is collected for six months after graduation.

**This is a partial list of employers for 2022 respondents who stated that they are using MICS in their current jobs and started their current jobs during or after MICS. This list is meant to demonstrate the range of companies across industries where MICS graduates are employed and is not all-inclusive. Company logos are public domain, via Wikipedia Commons.

MICS Alumni Salary Data 2022

- **Salary range $95- $450,000**
- **Median Salary - $175,00**
- **Additional Benefits-**Health, Yearly /performance bonus, 401 K, Tuition, Moving Expenses RSU/Stock, Signing bonuses

86%
believe MICS contributed positively to their career

76%
are using MICS in their current job

80%
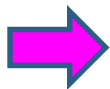reported new job and/or new responsibilities
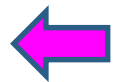
Of those with new jobs/responsibilities…

73%
Reported salary increase

86%
Believe MICS contributed to job/salary changes

➡ *Please complete the Career Outcomes Survey upon graduating* ⬅

Early-Mid Career Roles

- Software Engineer

- Security Engineering Intern

- Cybersecurity Threat Analyst

- Security Analyst

- Privacy Program Manager

- Network Administrator

- IT Audit

- Test Engineer

- Cybersecurity Consultant

- Applications Software Engineer

- Security Program Manager

Experienced Career Roles

- Pen Tester

- Senior Engineer, Software, Security, Detection and Response

- Product Security Engineer

- Information Security Architect

- Cyber Warfare Operations Officer

- Senior Cloud Security Engineer

- Technical Leader

Executive Career Roles

- Executive Director, Program Delivery, Privacy & Security Program

- Vice President, Product Development, Detection and Incident Response

- Vice President, Global IT Infrastructure and Security

- Chief Enterprise Architect

- Chief Technology Officer (CTO)

- Chief Information Security Officer (CISO)

- Chief Information Officer (CIO)

MICS 2022 EMPLOYERS

Based on career surveys and LinkedIn analysis of graduates through December 2022

Valued MICS Programs

- Coffee House - Guest Speakers, Day in the Life Series

- Berkeley Hacking Club – Weekly challenges and support

- MICS For Life

- Women in MICS

- Informal study groups

- Certification Study Groups

Alumni Quotes and Comments

"MICS shines a light on you"

"Why did I choose MICS? I wanted the strongest chops in cybersecurity!"

"When you finish MICS, you will have everything you need to know in the cyber security space and will be highly confident-know about risk, identity, cyber, governance, compliance and so much more."

Alumni Quotes and Comments

"During the program you will be knee deep and stressed but when you emerge, will understand the breath of programs risk, 3rd party, privacy, IOT, and regulatory-will quadruple your understanding across the spectrum"

"The mentoring program was hands down, the best thing I experienced"

"After I completed MICS, I felt that I had outgrown my job"

Alumni Quotes and Comments

"Since completing the MICS program, I have been contacted several times a month by recruiters offering various software development positions.

It is gratifying to have options and job security."

Career Services

Your Career Advising Team

Rebecca Andersen
Senior Director of Student and Alumni Career Development

Mary McHale
MICS Career Advisor

Laurie Haskell-Woerner
MIDS Senior Career Advisor

Amanda Cheung
MIDS Career Advisor

Eva Mollett - MIMS
Assistant Director, Career Services

Career Resources

- Targeted 1:1 advising
  - Individualized to background + goals
  - No "cookie cutter" advising

- Top topics:
  1. Job search
  2. Career change and exploration
  3. Resume and LinkedIn
  4. Interview Preparation
  5. Salary negotiation

www.ischool.berkeley.edu/careers

To make an appointment:

https://www.ischool.berkeley.edu/careers/students/advising

Career Advising

The Career Services staff is available for one-on-one career advising appointments. During your advising appointment we can focus on:

- **Career exploration**: examine various career paths and what might be a good fit for you
- **Getting a job**: review your resume and/or cover letter; discuss networking strategies and potential helpful contacts
- **Personal brand**: get feedback on your elevator pitch or online presence; look at your values & strengths to see what makes up your personal brand
- **Career basics**: learn skills and practice interviewing, negotiation, job search, etc.
- Whatever questions, thoughts, challenges, ideas you have!

Would you like us to review your resume, cover letter, or LinkedIn profile? Just send us what you want us to review, and we will get back to you in about a week.

More information

Make an Appointment

MIDS Students

MAKE A MIDS ADVISING APPOINTMENT

Log in with your bCal or Google account. Don't find any times that work for you? Email mids_careerservices@ischool.berkeley.edu to request an alternate time, and we will do our best to accommodate you.

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Cancellation Policy
In the rare case that we need to reschedule your appointment, we commit to providing you with at least 24 hours cancellation notice. We ask that you try and provide the same notice if you need to reschedule; thank you!

Document Reviews

- Resume Reviews

- Cover Letter Reviews

- LinkedIn Reviews

- Resume Books

Submit docs for review at:
https://www.ischool.berkeley.edu/careers/students/resumereview

Resume, LinkedIn, or Cover Letter Reviews

Would you like your resume, LinkedIn profile, or cover letter reviewed?

Name *

Email *

Degree program *
- Select your degree program -

What would you like us to review?

Resume (upload)
Files must be less than **24 MB**.
Allowed file types: **pdf doc docx**.
Choose File   No file chosen   UPLOAD

Resume (link)
If your resume is online, please paste in the complete URL.

Cover letter (upload)
Files must be less than **24 MB**.
Allowed file types: **pdf doc docx**.
Choose File   No file chosen   UPLOAD

Cover letter (link)
If your cover letter is online, please paste in the complete URL.

LinkedIn profile
Please paste in the complete URL of your LinkedIn profile

If you would like us to review and compare alternate versions of your resume or cover letter, we're happy to. Just make a note in the "Questions or comments" field at the bottom of this form, and then re-submit the form with additional version(s) of the document.
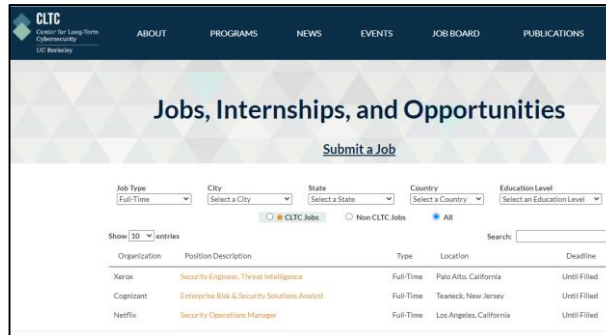
Position you are applying for
(optional) Let us know if there are any specific positions or employers you are interested in.

Questions or comments
(optional) Let us know if you have any specific questions or concerns.

If at all possible, we try to get your review back to you within one week. Thank you!

SUBMIT

24/7 Career Resources

- Career Guides/links
- Job postings-#cybersecurity-jobs
- Webinars/events
- UC Career Engagement
- CLTC

Career Events for Students

Log in to view selected recordings of past events.

Upcoming Events

MIDS Top Employers

Career Services Overview
Sep 24, 2019, 5:30 pm to 6:30 pm
For MIDS & MICS students. Are you thinking of making a job or career change during or after your degree program? We can help!

Resume Review Night
Sep 25, 2019, 6:00 pm to 8:00 pm
A fun evening of networking and resume-review speed-dating with employers and alumni.

Career Search Resources

- Job Search Websites
- Resumes & Cover Letters
- Networking
- Interviewing
- Negotiation
- Online Presence
- Entrepreneurship Resources
- Data Science Careers
- User Experience Careers
- Cybersecurity Careers
- Product Management Careers
- For International Students
- Miscellaneous

Information and Community

It's all on Slack!

- Announcements, Events, News
- Social network for I School's global community
- Profile Directory, job board, groups, news feed

To join: **UC Berkeley School of Information |** ucbischool.slack.com

Career Resources

slack

Everyone is automatically enrolled in the #announcements-global channel; this channel is for team-wide communication and announcements and may be a place you see official announcements from the I School. We also suggest the following channels:

- #introductions — Say hi and introduce yourself to the I School Slack community.
- #career-discussions — General discussions about career paths and opportunities for I School students and alumni.
- #jobs-and-internships — Share jobs and internship opportunities relevant to the I School community
- #area-* — A variety of area channels representing different geographic regions around the world (see #area-411 for a list.)
- #noise — In the spirit of our noise listserv, a place for non-work-related flimflam, hodge-podge or jibber-jabber
- #alumni — A channel for all alumni to connect

There are also channels related to specific programs at the I School, areas of interest, and more. Check out our more comprehensive guide or browse the channel listings in Slack.
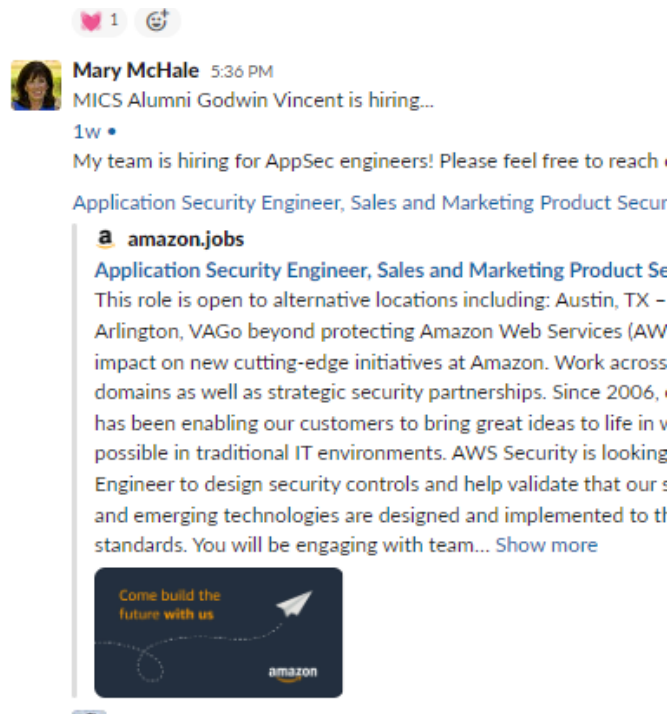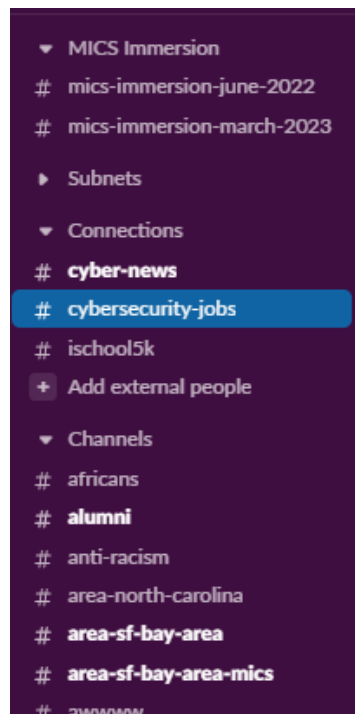
UC Berkeley I School Community

- Alumni Network
  - Panel presentations
  - LinkedIn
  - Info. interviewing
- Employer Connections
  - Networking events
  - Guest speakers
  - Webinars
  - Immersion/conferences
- Fellow Students
  - Slack Channels e.g. *#careers, #cybersecurity-jobs #cyber-news, #humor*
  - MICS Coffee House, Saturdays
  - #Berkeley-Hacking-Club

Join the MICS LinkedIn Page

214 members

Including Vinesh Prasanna Manoharan and 199 other connections

200

Invite connections

Show all →

UC Berkeley School of Information MICS Alumni, Students | Master of Information and Cybersecurity

Listed group

Start a post in this group

Photo   Video   Poll

All   Recommended

About this group

Fostering a strong and supportive community network for UC Berkeley School of Information Master of Information and Cybersecurity (MICS) alumni by facilitating professional exchange of information and knowledge.

Show all →

https://www.linkedin.com/groups/13944455/

Job Search

Advising, resume prep, events, and more!

Job Search Process

- Research & identify target jobs/companies/ industries
  - What are your dream companies/roles? Research salaries
- Update resume and LinkedIn profile
  - What's your brand?
- Create online portfolio/website/blog
  - Employers ARE looking!
- Prepare for interviews
  - Traditional & technical
- Network, network, network
  - I School & greater professional communities
- Apply and prepare for interviews
  - Get referrals from your network whenever possible
- Evaluate and negotiate offers
  - Research salaries and compensation packages

How long does the job search process take?

Jobscan

www.ischool.berkeley.edu/careers/students/jobscan

Request a Jobscan Account

Jobscan is a resume software tool that analyzes your resume for how it would perform in an ATS. Submit this form to request a premium account with Jobscan.

With your premium Jobscan account, you will upload your resume and a job description to receive a report with information such as: match rate of your resume against the job description, a prediction of how your resume would be parsed in the ATS, and a side-by-side keyword comparison of your resume and the job description, ordered by frequency. Jobscan also has the ability to review cover letters and your LinkedIn profile.

About the match rate / score you will see displayed by Jobscan

This score displays the predicted match of your resume against a job description and it is very difficult/impossible to get high scores.

- If you receive a score **under 40%**, we strongly recommend that you consider revising your resume.
- If you receive a score **above 60%**, your resume is looking pretty good! You could make some revisions, but you could also go ahead and apply.

Don't forget! Jobscan is simply a useful source of information and you can pay attention to the findings and at the same time realize that it is not perfect. We suggest that you use Jobscan to see how your resume is performing, but you do not have to use it every time you apply for a job.

Request Premium Jobscan Account

Name *

Rebecca Andersen

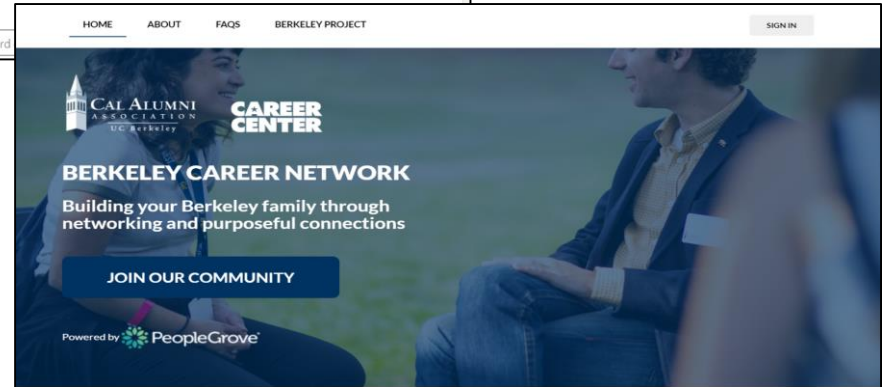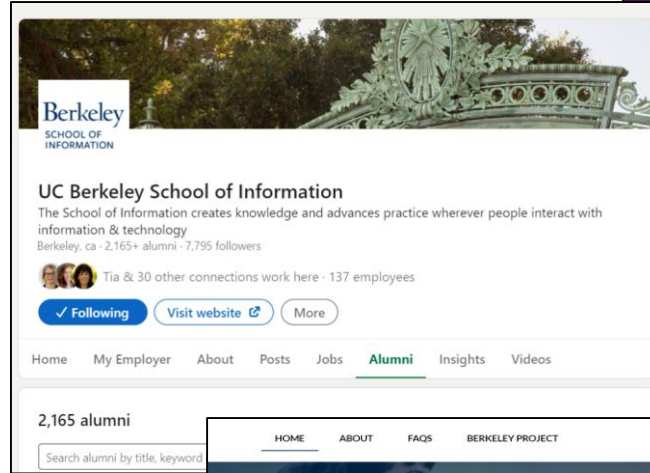# Handshake

Networking

Alumni Network
- Panel Discussions
- Info. Interviewing
- LinkedIn
- Slack
- Berkeley Career Network

Employer Connections
- Networking Events
- Guest Speakers

Fellow Students
- Slack
- Classes

Maximize Your Experience

MICS
Immersion

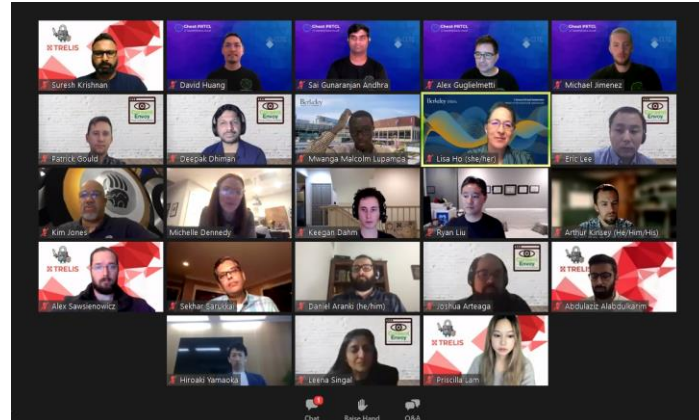# Engage, Connect, Have fun

CyberForce Competion

DefCon

Big Game

Top Golf

Capstone

Upcoming Career Webinars

Tips for Building the Experienced Leader Resume!
Wednesday Feb. 7, 2024
5:30 pm - 6:30 pm PST

Interviewing Workshop
Monday February 12, 2024
5:30 pm - 6:30 pm PST

LinkedIn Profile Tips and Tricks
February 21, 2024
12 noon-1 pm PST

The Art and Tech of Networking
April 3, 2024
5:30 pm - 6:30 pm PDT

You're Invited

#Coffee House
Saturdays
9 AM Pacific

#Berkeley-Hacking-Club
Saturdays
10 AM Pacific

Career Events for Students & Alumni

Log in to view selected recordings of past events.

MICS Career Services Overview
Sep 7, 2023, 5:30 pm to 6:30 pm
For MICS students. Are you thinking of making a job or career change? We can help!

MIDS Career Services Virtual Office Hours
Sep 12, 2023, 9:00 am to 10:00 am
Join Laurie and Amanda for virtual office hours.

2023 Engineering, Technology, & Data Career & Internship Fair
Sep 12, 2023, 12:00 pm to 4:00 pm
Sponsored by the UC Berkeley Career Center

Resume Review Night
Sep 13, 2023, 5:00 pm to 7:00 pm
A fun evening of networking and speed dating-style resume review with employers and alumni.

To do:

- Request a resume/LinkedIn profile review
- Request a JobScan account
- Schedule a career advising appointment
- Join/reactivate your Handshake account
- Connect with MICS and I School Community on LinkedIn
- Stay active / aware of Slack!

[Tell us what you think!](#)

Thanks for joining!