

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 600,000 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

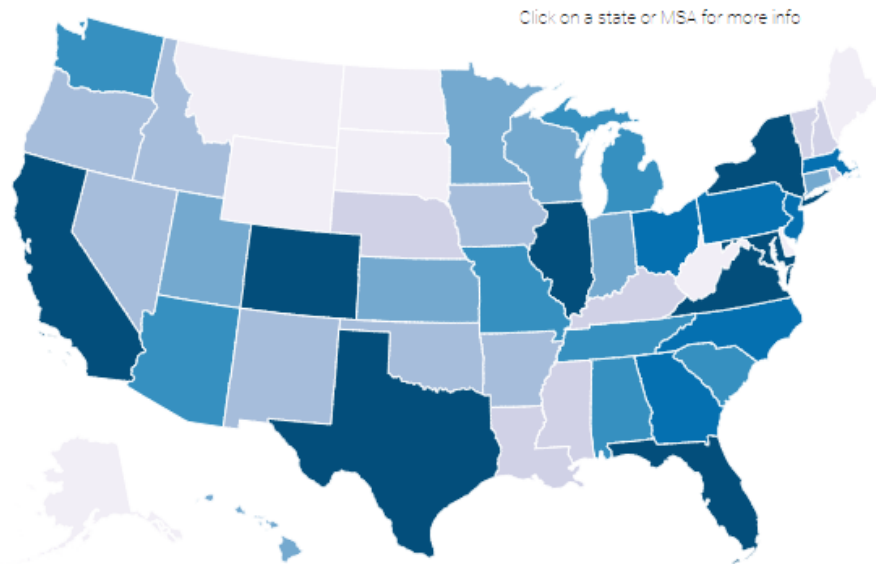
With almost 700,000 cybersecurity job openings, the United States doesn't have enough cybersecurity experts to protect the nation's critical...



Cybersecurity Job Market 2024

- Cyber security is an ever-growing industry. It is projected to grow 35% by 2031. *US Bureau of Labor Statistics*
- LinkedIn - Worldwide 122, 852 cyber jobs open in 2024,-43,545 US alone.
- 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

Cyber Seek Supply Demand



National Level

SUPPLY/DEMAND RATIO ⓘ

NATIONAL, 2024



85% National average

TOTAL CYBERSECURITY JOB OPENINGS ⓘ

NATIONAL, 2024

469,930



TOTAL EMPLOYED CYBERSECURITY WORKFORCE ⓘ

NATIONAL, 2024

1,239,018



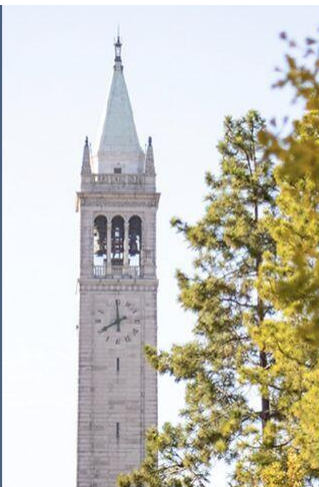


UC Berkeley Named #1 Online Master's in Cybersecurity

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*

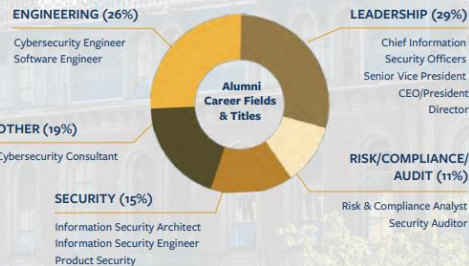
66 graduates
7.5 average years work experience prior to start of program

Average Salary

\$177,143

Median Salary

\$175,000



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**



* 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 Career Outcomes 2023

- Salary range \$100,000- \$330,000
- Median Salary - \$159,000 (US)
- **Additional Benefits**-Health, Yearly /performance bonus, 401 K, Tuition, Moving Expenses, RSU/Stock, Signing bonuses

100%
believe MICS
contributed positively
to their career

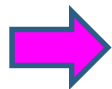
52%
are using MICS in their
current job

80%
reported new job and/or new
responsibilities

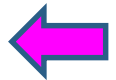
Of those with new jobs/responsibilities...

100%
Reported salary increase

100%
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 2023 EMPLOYERS



proofpoint.



LUMINATE



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”

Privacy Manager, Facebook

“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.”

Executive Director, Privacy & Security, Kaiser Permanente

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

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.

MICS Students

[MAKE A MICS ADVISING APPOINTMENT](#)

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

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!

To make an appointment:

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

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
 No file chosen

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
 No file chosen

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!

24/7 Career Resources

- Career Guides/links
- #cybersecurity-jobs and
- #jobs-and-internships
- Webinars/events
- UC Career Engagement
- CLTC

The screenshot shows the CLTC (Central Long-Term Cybersecurity) website. The header includes the CLTC logo and navigation links: ABOUT, PROGRAMS, NEWS, EVENTS, JOB BOARD, and PUBLICATIONS. The main heading is "Jobs, Internships, and Opportunities" with a "Submit a Job" link. Below this is a search filter section with dropdown menus for Job Type (Full-Time), City, State, Country, and Education Level. There are also radio buttons for "CLTC Jobs", "Non CLTC Jobs", and "All". A search bar is present. Below the filters is a table of job listings.

Organization	Position Description	Type	Location	Deadline
Xerox	Security Engineer, Threat Intelligence	Full-Time	Palo Alto, California	Unfill Filled
Cognizant	Enterprise Risk & Security Solutions Analyst	Full-Time	Teaneck, New Jersey	Unfill Filled
Netflix	Security Operations Manager	Full-Time	Los Angeles, California	Unfill Filled

Career Events for Students

[Log in to view selected recordings of past events.](#)

Upcoming Events



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

The screenshot displays a Slack interface for the UC Berkeley School of Information. On the left is a sidebar with a list of channels, including #cyber-news, #cybersecurity, #events, #graduation-may-2020, #humor, #introductions, #jobs-and-internships, #mics, #mics-alum, #mics-alumni-board, #mics-announcements, #mics-immersion-april-2021, #mics-immersion-march2020, #mics-meet-greet-fall-21, #micsmentor, #micsstudentreps, #mids-announcements, and #no-stupid-questions. The main area shows the #cyber-news channel with a news feed. The first post is from Pascal at 2:16 PM, sharing a link to a BleepingComputer article titled "Secret terrorist watchlist with 2 million records exposed online". The article text states: "A secret terrorist watchlist with 1.9 million records, including 'no-fly' records was exposed on the internet. The list was left accessible on an Elasticsearch cluster that had no password on it. (190 kB)". Below the text is an image of the US Capitol building at night with a "CAUTION" sign. The second post is from Pascal at 3:06 PM, sharing a link to a vice.com article titled "T-Mobile Investigating Claims of Massive Customer Data Breach". The article text states: "Hackers selling the data are claiming it affects 100 million users. (146 kB)". On the right side of the screen, a profile window is open for Mary McHale, a Career Advisor at MICS. Her profile includes a photo, her name, title, and contact information: Display name: Mary McHale, Local time: 6:07 PM, Email address: marymchale@school.berkeley.edu, School Role: Staff, and Pronouns: she/her.

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

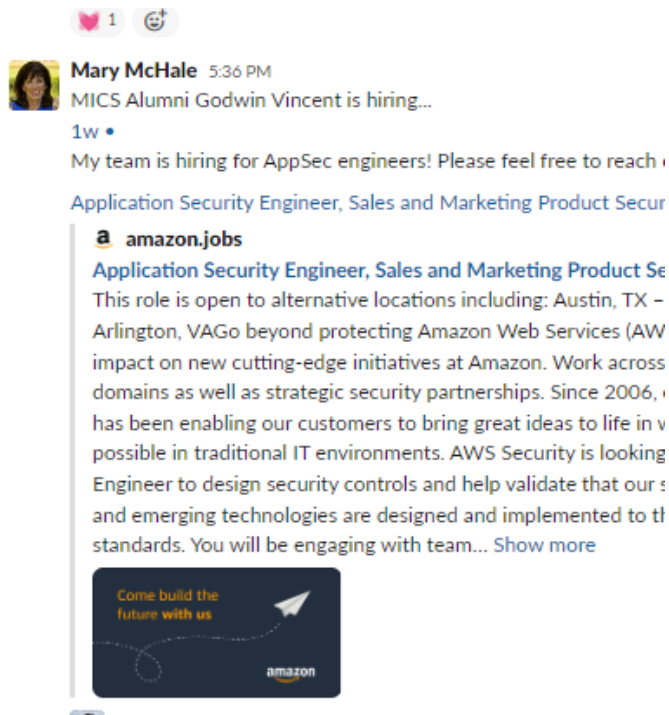
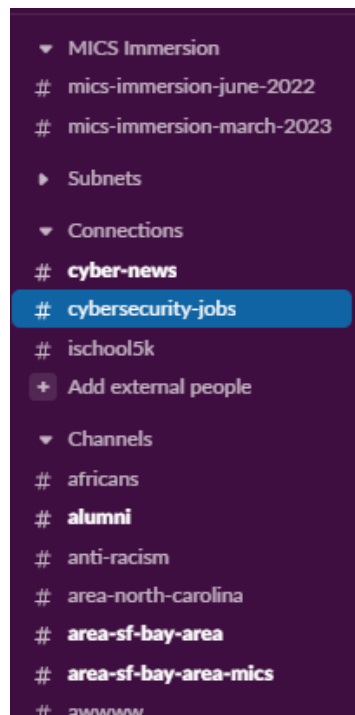
Career Resources



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*

Berkeley
SCHOOL OF INFORMATION

UC Berkeley School of Information
The School of Information creates knowledge and advances practice wherever people interact with information & technology
Berkeley, ca · 2,136+ alumni · 7,760 followers

Eva & 29 other connections work here · 134 employees

Following Visit website More

Home My Employer About Posts Jobs Alumni Insights Videos

Search alumni by title, keyword or company

Where they live	Where they work	What they do
695 · United States	34 · University of California, Berkeley	205 · Engineering
419 · San Francisco Bay Area	23 · Google	170 · Information Technology
44 · Greater New York City Area	16 · UC Berkeley School of Information	125 · Business Development
32 · Greater Seattle Area	12 · Salesforce	76 · Research

Show more

Heather McPherson · 2nd
Technology executive specializing in security ...
19 Cybersecurity
12 shared connections
Connect

Alex Smolen · 2nd
Director Of Security at LaunchDarkly
11 Information
1 shared connection
Connect

Vinicius Da Costa · 2nd
SVP Cyber Security Research & Innovation at Bank of ...
22 Cybersecurity
3 shared connections
Connect

James Black · 2nd
Google Cloud Security
18 Information and Data Sci...
10 shared connections
Connect

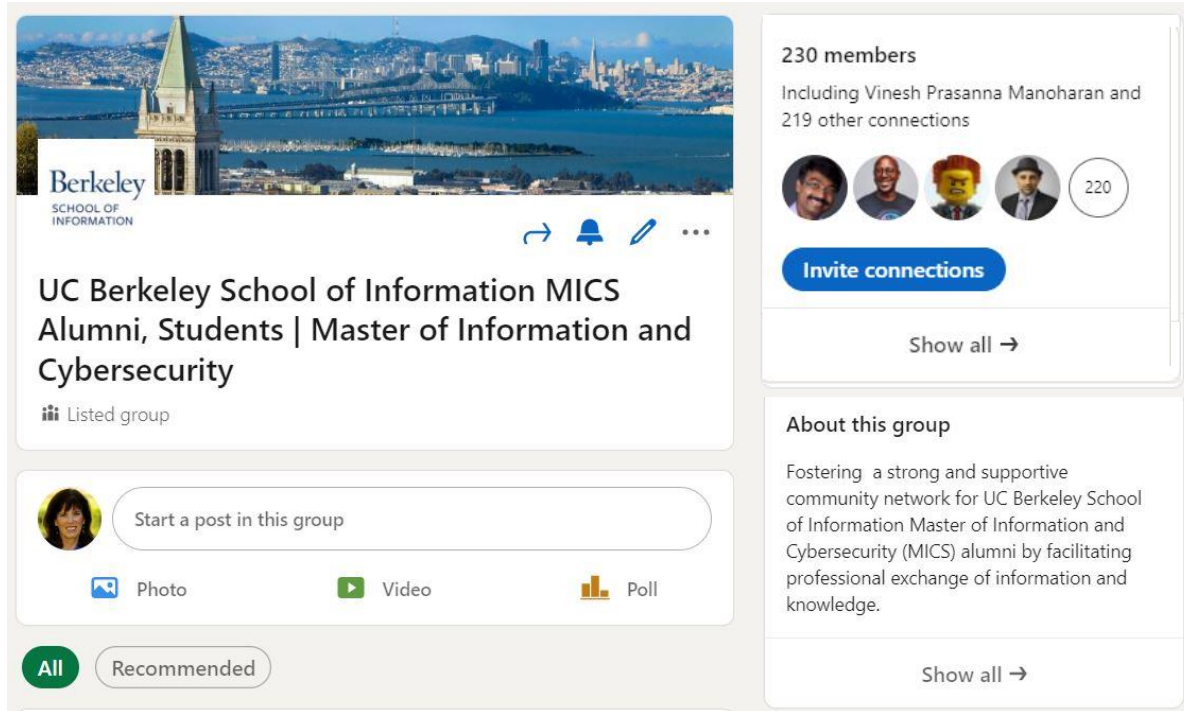
RuthAnne Bevier · 3rd
Chief Information Security Officer, Caltech

Juan Diego · 3rd
IT Security Specialist at MYDLP - A Data Loss ...
information and Cybersecu...

Alberto Melgoza · 3rd
Data Scientist | Manager, Finance Data Security and...

Kevin Y. · 3rd
Security Consulting Manager at Accenture
22 Data Science

Join the MICS LinkedIn Page



The image shows a screenshot of a LinkedIn group page for the UC Berkeley School of Information MICS. The header features a banner image of the Berkeley campus with the text "Berkeley SCHOOL OF INFORMATION". Below the banner, the group name "UC Berkeley School of Information MICS Alumni, Students | Master of Information and Cybersecurity" is displayed, along with a "Listed group" icon. On the right side, it shows "230 members" and "Including Vinesh Prasanna Manoharan and 219 other connections". There are four profile pictures and a "220" count in a circle, with an "Invite connections" button below them. A "Show all →" link is also present. The "About this group" section describes the group's purpose: "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." Another "Show all →" link is at the bottom of this section. At the bottom of the main content area, there is a "Start a post in this group" input field with icons for "Photo", "Video", and "Poll". Below that, there are "All" and "Recommended" filter buttons.

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

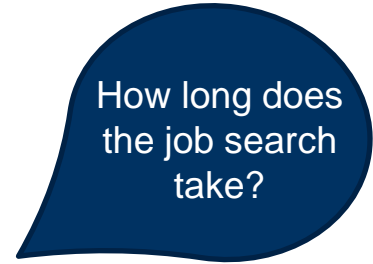
Job Search

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**
 - | 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



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



WELCOME TO HANDSHAKE, the Career Center's new fast and powerful recruiting platform for UC Berkeley students and alumni. Handshake uses cutting edge technology to help you more easily connect with employers and source jobs and internships, event information, and On-Campus Recruiting opportunities.

Employers can use Handshake as a recruitment tool, to identify qualified candidates for open positions and manage on-campus recruitment activities.

Log in to Handshake

Undergrad and Graduate Students

Log in to Handshake using your CalNet Log In. For help with questions, visit our [FAQ's](#) or Handshake's [support for students](#). Note: If you choose to use Handshake you are required to abide by the Career Center [User Agreement](#).



Networking

Alumni Network

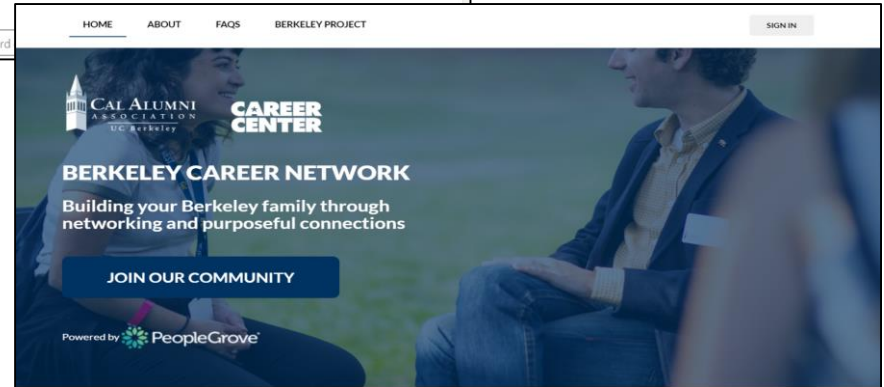
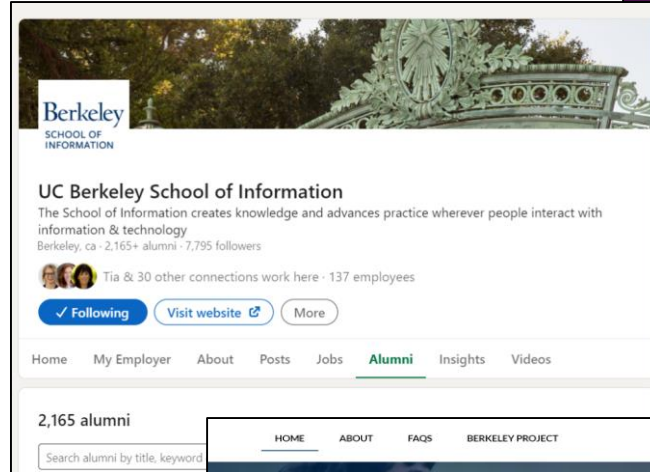
- Panel Discussions
- Info. Interviewing
- LinkedIn
- Slack
- Berkeley Career Network

Employer Connections

- Networking Events
- Guest Speakers

Fellow Students

- Slack
- Classes



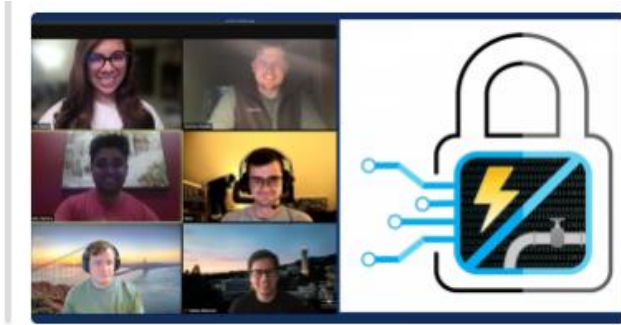
Maximize Your Experience



**MICS
IMMERSION**



Engage, Connect, Have fun



CyberForce Competition



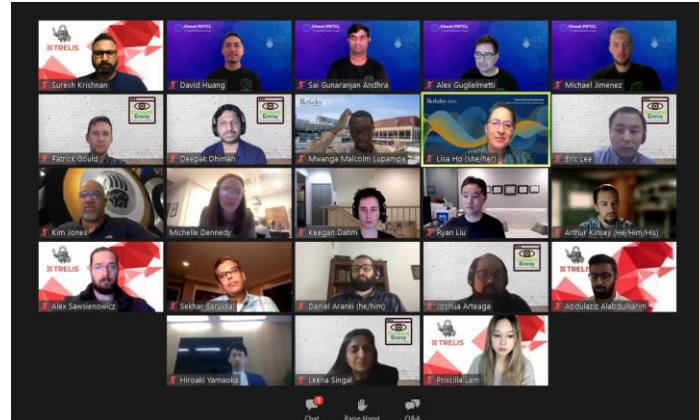
DefCon



Big Game



Top Golf



Capstone

Upcoming Career Webinars

Design Thinking Workshop: Intro to Life Design

Tuesday June 18, 2024

5:30 pm - 6:30 pm PDT

Tips for Building the Experienced Leader Resume!

Wednesday June 26, 2024

5:30 pm - 6:30 pm PST



LinkedIn Profile Tips and Tricks

Thursday July 11, 2024

12 noon-1 pm PST



Networking 101 Networking like a Boss

Wednesday, July 17, 2024

12 noon-1 pm PST

I School Speed Networking

Thursday July 25, 2024

12 noon-1 pm PST

You're Invited

#Coffee House

Saturdays
9 AM Pacific



#Berkeley-Hacking-Club

Saturdays
10 AM Pacific

Career Events for Students & Alumni



MICS Career Services Overview

Jun 5, 2024, 5:30 pm to 6:30 pm

Are you thinking of making a job or career change? We can help!



MIMS Alumni Job Club

Jun 6, 2024, 10:30 am to 11:30 am

Job-search support for new MIMS alumni



Edison Smart Recruiter Information Session

Jun 6, 2024, 12:00 pm to 1:00 pm

Edison Smart is global technology recruitment firm for technology companies in IoT, cloud services, security, connectivity, data automation, and smart buildings.



MIDS Career Services Virtual Office Hours

Jun 11, 2024, 10:00 am to 11:00 am

Join Laurie and Amanda for virtual office hours.



Design Thinking Workshop: Intro to Life Design

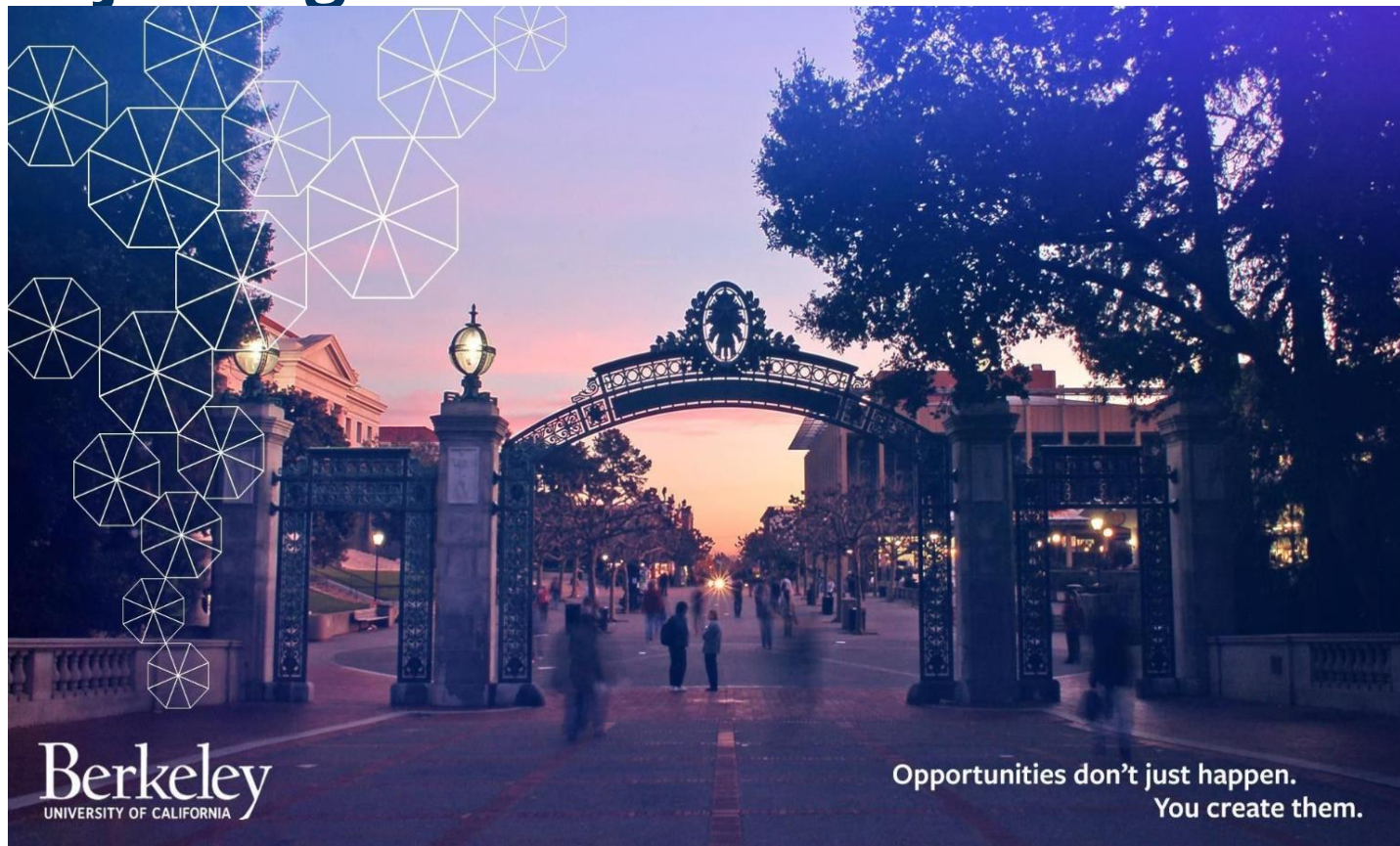
Jun 18, 2024, 5:30 pm to 6:30 pm

Using design thinking to tackle career questions and major life decisions.

Tell us what you think!



Thanks for joining!



Berkeley
UNIVERSITY OF CALIFORNIA

Opportunities don't just happen.
You create them.