MICS
Career Services Overview

Mary McHale
MICS Career Advisor
Agenda

1. Career Outlook and Outcomes
2. Career Services
3. Job Search
4. Maximize Your I School Experience
Cybersecurity Careers
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

● 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”

https://www.cyberseek.org/heatmap.html
UC Berkeley Named #1 Online Master’s in Cybersecurity

Ranked the #1 Online Master’s in Cybersecurity
by Fortune Magazine

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.
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**

- Bank of America
- Google
- Palo Alto
- NVIDIA
- Stripe
- Intuit
- Divergent
# MICS Alumni Salary Data 2022

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

<table>
<thead>
<tr>
<th>%</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>86%</td>
<td>believe MICS contributed positively to their career</td>
</tr>
<tr>
<td>76%</td>
<td>are using MICS in their current job</td>
</tr>
<tr>
<td>80%</td>
<td>reported new job and/or new responsibilities</td>
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</tbody>
</table>

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”
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

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
24/7 Career Resources

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

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
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
Engage, Connect, Have fun

CyberForce Competition

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!