

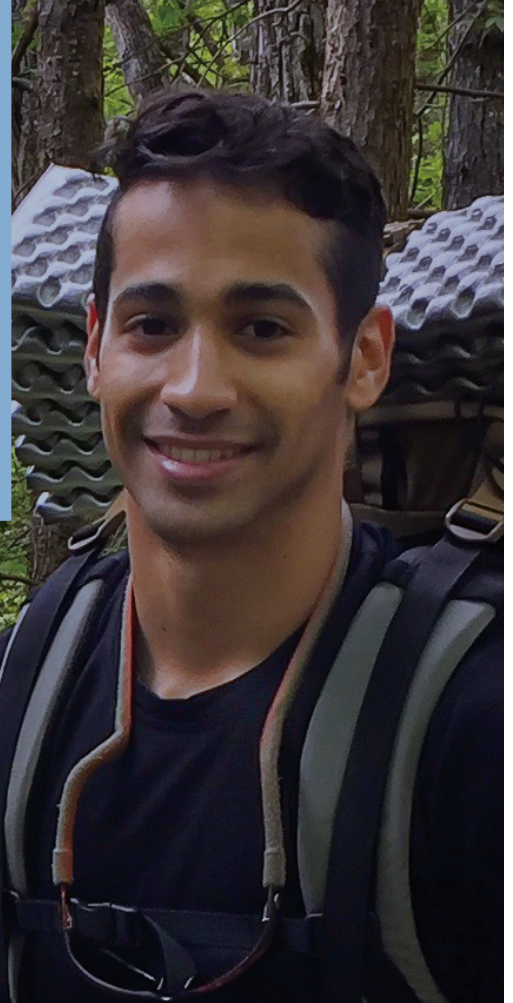


MADS

MASTER OF
APPLIED
DATA
SCIENCE

EMPLOYMENT
REPORT

2022



SCHOOL OF
INFORMATION
UNIVERSITY OF MICHIGAN

About this report

The University of Michigan School of Information (UMSI) Career Development Office surveys our graduates to identify their post-graduation plans and outcomes. This report summarizes outcomes from 2021 MADS (Master of Applied Data Science) graduates, the MADS program's first, who completed the survey by the deadline or for whom a known outcome was reported in other ways. Of the 111 MADS students who graduated in 2021, 63% responded to the survey or reported their outcome in other ways.

It is important to note that MADS students participate in this online program from around the world, bringing in a variety of experiences, as well as goals for participating in this program i.e., career advancement/promotion, new job, new field, skill development, salary boost, etc.

\$101K

OVERALL AVERAGE
SALARY

\$107K

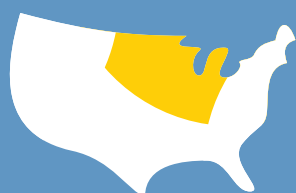
US-BASED
AVERAGE

\$98K

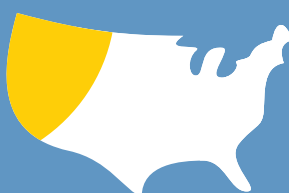
INTERNATIONAL-BASED
AVERAGE (USD)

*Average salary reported for all respondents who indicated they had accepted **a new job in the data science field**.*

Where our graduates are working



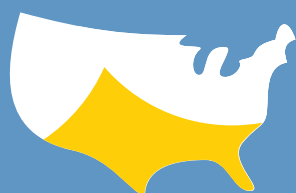
Midwest
37%



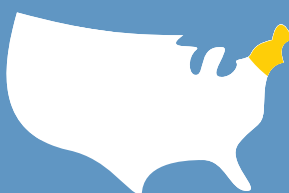
West
14%



International
26%



South
15%



Northeast
8%

International students job locations

China	6
India	4
United States	4
Canada	3
Chile	1
England	1
South Africa	1

Value of UMSI courses

89%

of respondents indicated that the MADS curriculum was relevant to their job outcome

Top industries our graduates are working in



Health system/
healthcare

19%



Technology

18%



Financial services/
insurance

14%



Manufacturing

12%



Consulting

8%



University/college
dept. or service unit

8%



Consumer goods
& services

7%



Start-up/
entrepreneurial

4%



Government

3%



Aerospace/defense

1%



Entertainment/
gaming

1%



Law/legal

1%



Logistics
& delivery

1%



Nonprofit/NGO

1%



Real estate

1%

Salaries by top industries

\$124K

Technology

\$97K

Health/medicine

*Specific to respondents who indicated they had accepted **a new job in the data science field***

Most valuable UMSI experiences for job outcome

- Milestone and capstone courses
- Supervised/unsupervised learning
- SIADS 505–Data Manipulation

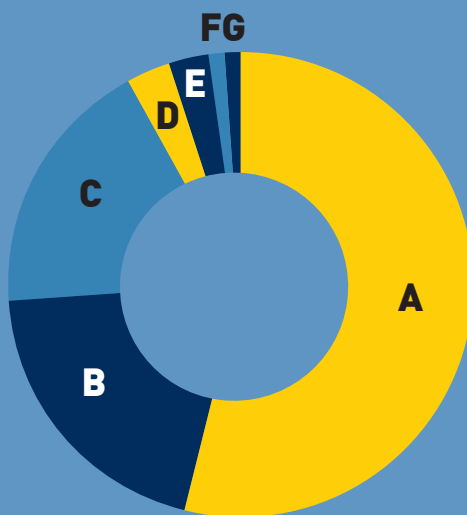
3
MONTHS

Average job search length

*Specific to respondents who indicated they had accepted **a new job in the data science field***

Job search status

US STUDENTS



U.S.

54%

A I have accepted a new job.

20%

B I am currently employed and plan on pursuing advancement/or have moved into an advanced role with my current employer.

18%

C I am currently employed and do not plan to job search at this time.

3%

D I have paused my job search at this time.

3%

E I am still job searching for a data science position.

1%

F I am starting my own business.

1%

G I am continuing my education.

INT'L

43%

A I have accepted a new job.

24%

B I am currently employed and plan on pursuing advancement/or have moved into an advanced role with my current employer.

19%

C I am currently employed and do not plan to job search at this time.

5%

D I have paused my job search at this time.

0

E I am still job searching for a data science position.

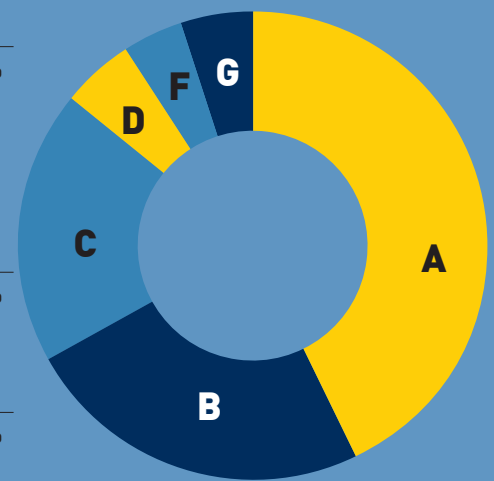
4%

F I am starting my own business.

5%

G I am continuing my education.

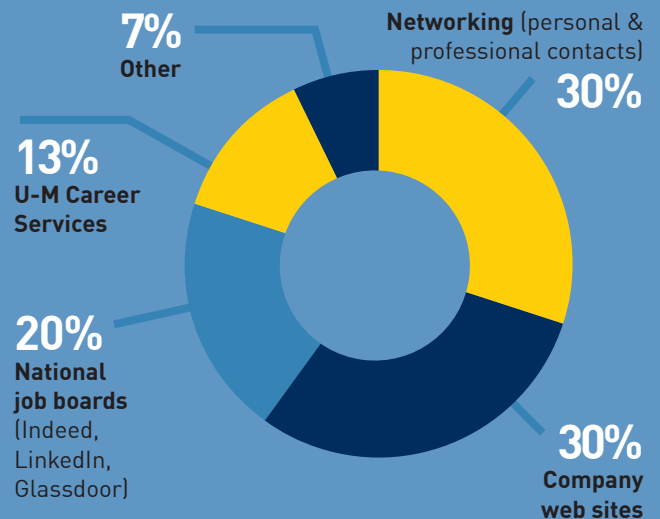
INTERNATIONAL STUDENTS



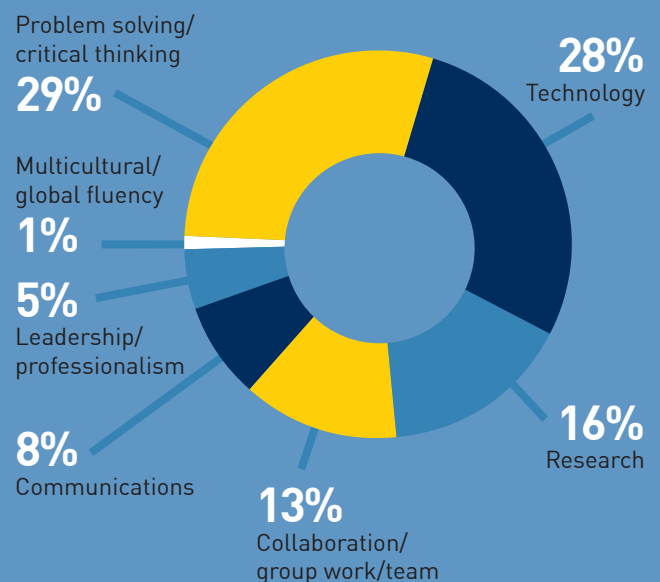
Salaries by region



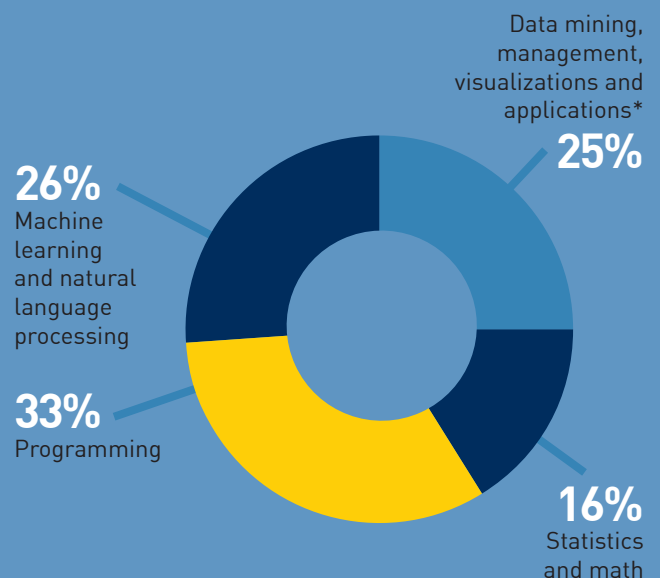
Most effective job search methods



Most valuable SKILLS gained at UMSI for job outcome

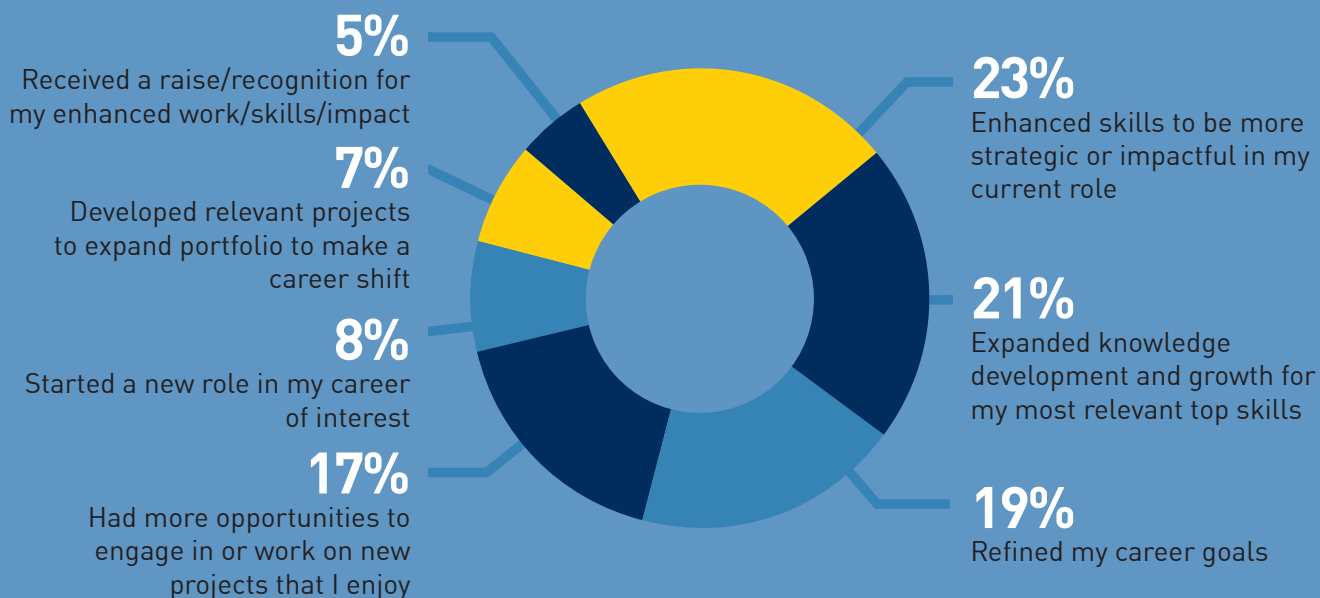


Most valuable TECH SKILLS gained at UMSI for job outcome

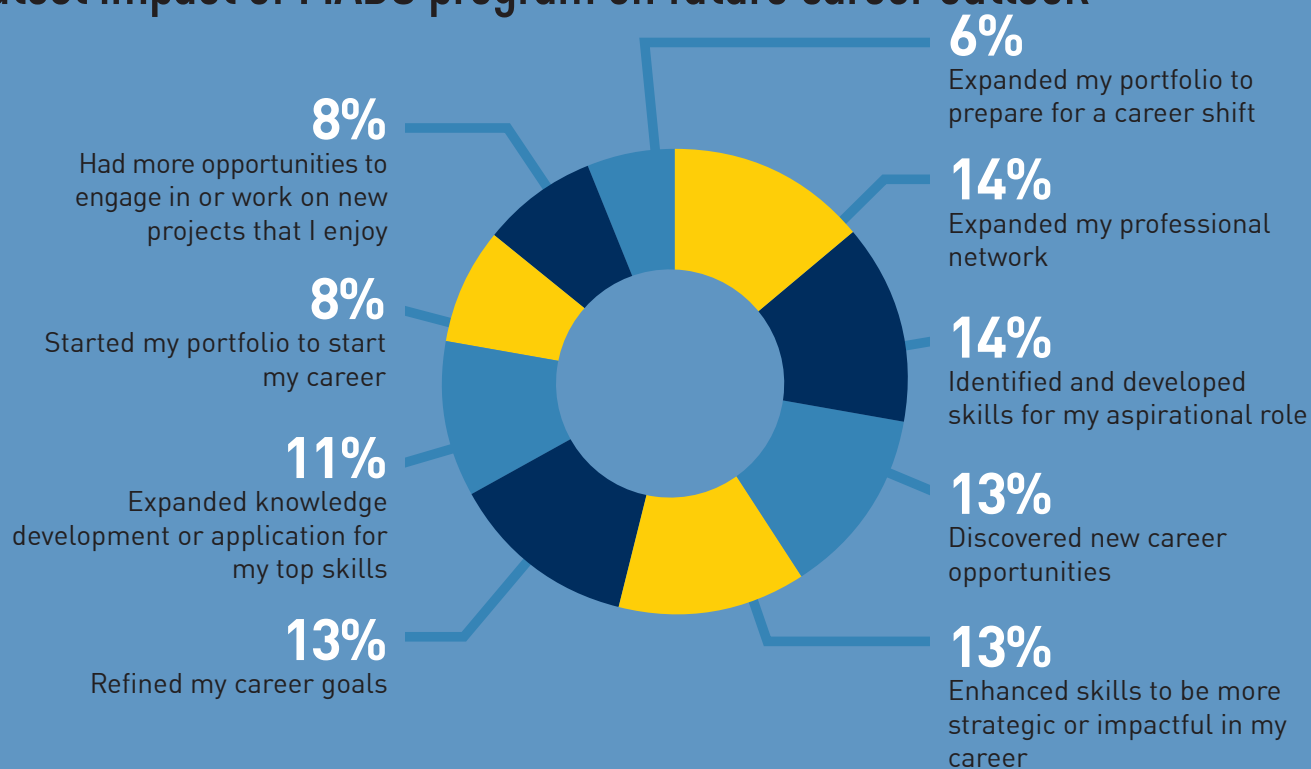


**SQL, Python, including Pandas rated as most valuable tech skills gained*

Greatest impact of MADS program on career advancement goals



Greatest impact of MADS program on future career outlook



2022 Job Outcomes

*Asterisk indicates international student

Aerospace/defense

Associate Director	Collins Aerospace MI, USA
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Consulting

*Founder	AWDC Montreal, Canada
*Analytics Fellow	McKinsey Shenzhen, China
Data Scientist II	Qodex MI, USA
Data Scientist	Splash Analytics MI, USA
Data Scientist	Upwork MI, USA

Consumer goods & services

Business Intelligence Manager	Caribou MN, USA
Data Scientist	Expedia Group WA, USA
Associate Data Scientist	Kohl's WI, USA
Analytics & Insight Manager	Procter & Gamble TX, USA

Financial services/insurance

Sr Data Scientist	Allianz Germany
*Senior Portfolio Management	Covadonga Wealth Management Santiago, Chile
Director of Quantitative Research	Exegy MO, USA
Business Analyst	Flow Traders NY, USA
Chief Investment Officer	Lido Advisors CA, USA
Senior Insights Analyst	Ryan Companies MN, USA
Data Scientist	Sedgwick PA, USA
*Director	Sixteen Seven Limited Hong Kong, China
*Data Engineer	Sunlife Toronto, Canada

Entertainment/sports

Data Analyst	Major League Baseball NY, USA
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Government

*Senior Statistician	Census and Statistics Department, Hong Kong Government Hong Kong, China
Data Scientist	Orlando Utilities Commission, FL, USA

Health/medicine

Data Scientist	Blue Cross Blue Shield IL, USA
Data Scientist	CVS Health RI, USA
Data Scientist	Gainwell Technologies AR, USA
Data Scientist	Healthfirst NY, USA
Data Scientist	Michigan Medicine MI, USA
Machine Learning Engineer	Michigan Medicine MI, USA
*Team leader	Novartis Healthcare Pvt. Ltd., Telangana, India
*Data Steward	Novartis Healthcare Pvt. Ltd., Telangana, India
*Analytics Engineer - Lead	Novartis Healthcare Pvt. Ltd., Telangana, India
*Global Customer Insights & Data Science Lead	Novartis Healthcare Pvt. Ltd., Telangana, India
Development Engineer	Ormco Corporation CA, USA
Data Scientist	TriNet TX, USA
Senior Analyst	Vizient, Inc. MO, USA

Law/Legal

Partner	Epstein, Becker & Green WA, USA
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Logistics & Delivery

Data Scientist	Canada Post Ontario, Canada
Data Scientist	First Quantum Minerals South Africa
Data Scientist	Ford Motor Co MI, USA
Data Scientist	Ford Motor Co MI, USA
Data Scientist	General Motors MI, USA
IT Operations Specialist	General Motors MI, USA

Manufacturing

Advanced Sr Engineer	Stellantis MI, USA
Lead Data Scientist	The Tesco Group London, England
Data Governance Analyst	Whirlpool Corporation MI, USA

Nonprofit/NGO

Data Scientist 1	Noblis VA, USA
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Real Estate

Development Manager	Ethos Development Partners, MI, USA
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Start-up/entrepreneurial

*Data Scientist	Startup Hong Kong, China
Software Engineer/Data Scientist	Trust Lab CA, USA

Technology

Cyber Technology Specialist	Darktrace IL, USA
*Head of IT Development	Dotted Company Limited Hong Kong, China
Data Scientist	Harver TX, USA
Business Intelligence Analyst	Indeed TX, USA
Data Scientist	Microsoft WA, USA
Senior Technical Consultant and Analyst	Plante Moran MI, USA
Data Scientist	Qualtrics WA, USA
*Data Scientist	Snapdocs CA, USA
Senior Engineer	Toyota MI, USA
Senior Datawarehouse Developer	TTX Company IL, USA

University/College

*Data Science and Learning Analytics Developer	Carnegie Mellon University, School of Computer Science, Language Technologies Institute, PA, USA
Research Assistant	Stanford University CA, USA
*Graduate Student	Tsinghua University Shenzhen, China
Data Project Manager	University of Michigan ICPSR, MI, USA
Data Manager	University of Michigan School of Public Health Prevention Research Collaborative, MI, USA