

# What you can do with your DATA SCIENCE MAJOR



## Data Science Major Skills



### Data Modeling & Visualization

You will write code to visualize data, build data models based on regression, machine learning, and other methods, and interpret results to gain understanding in domain areas.



### Professional & Ethical Conduct

You will conduct data science activities aware of and according to policy, privacy, security, and ethical considerations.



### Data Programming & Management

You will gain expertise in programming, manipulating, merging, summarizing, and managing data.



### Critical Thinking

You will define and analyze problems working with data; identify factors that contribute to outcomes; analyze connections and use them to make informed decisions and to draw conclusions.



### Reproducible Data Analysis

You will develop processes of data analysis that are scalable and reproducible.



### Visual, Written & Oral Communication

You will communicate concepts and results effectively with scientific peers and the public, visually, orally and in writing.

## Supplement Your Skills With



Deeper experience in one or more specialized domain areas



Experience through research, internships, part-time work, data competitions



Career & self development



Continued development of oral and written communication skills



Experience fostering professional equity & inclusion

## Chart Your Path Forward

### Activate Your Handshake Account

for connections to jobs, internships, employer & alumni networking.

### Explore Career Communities

to discover a wide variety of fields where you can turn your major into success.

### Get Career & Internship Advising

from SuccessWorks to make a plan, whether you're a first-year student or about to graduate.

**Get Started: [successworks.wisc.edu](https://successworks.wisc.edu)**

# Put your Data Science major to **WORK**

## Common Alumni Job Titles

- Analytics Consultant
- Business Systems Analyst
- Data Analyst
- Data Engineer
- Data Scientist
- Developer
- Investment/Trading Analyst
- Product/Project Manager
- Research Assistant
- Risk Analyst
- Software/Backend Engineer
- Solutions Engineer

## Common Employers of Alumni

- 3M
- Accenture
- American Family Insurance
- Amazon Web Services
- Americorps
- AT&T
- Deloitte
- Discover Financial Services
- Epic
- EY
- John Deere
- JP Morgan Chase & Co.
- KPMG
- Milliman
- Palo Alto Networks
- Uline
- University of Wisconsin-Madison



## Recent Grads' Career Plans

- 74%** Employment
- 26%** Continuing Education or Grad School

## Industries of Employment

1. Information Technology
2. Education
3. Finance
4. Healthcare
5. Insurance
6. Consulting
7. Accounting
8. Engineering
9. Life Sciences
10. Arts & Entertainment

## Where Alumni Live & Work

- 49%** Wisconsin
- 18%** Illinois
- 7%** Minnesota
- 6%** California
- 4%** New York
- 16%** Other



"Everything I learned at UW from coding skills to statistical theory has been useful on a daily basis for my job. I've been able to combine my love of sports and data into a dream job thanks to my degree!"

**Gabriel Wachowski, 2019**  
Research and Innovation Analyst  
Milwaukee Bucks Inc.  
Milwaukee, WI



"My favorite thing about Data Science is the constant variety in our work – every day brings new challenges, ideas, and solutions. Those who love continuous learning will thrive."

**Maleeha Qazi, 2002**  
Data Scientist  
American Family Insurance  
Madison, WI

## Career Communities for Data Science Majors

SuccessWorks has eight Career Communities to connect you with career advising, resources, and programs. Here are a few suggestions on where Data Science majors can start.

- Technology, Data & Analytics
- Consulting, Finance & Business Roles
- Government, Policy, International Affairs & Law
- Healthcare & Wellbeing

Not inspired by these options? Visit SuccessWorks to explore more widely.