

DATA SCIENCE

www.natsci.colostate.edu/career-resources/data-science/

Data Science is the discovery of knowledge and insight through the analysis of data. As such, it draws on computer science, mathematics, and statistics. It has emerged as a separate field in response to the avalanche of data from web enabled sensors and instrumentation, mobile devices, web transactions, and the availability of computing power for data storage and analysis. Modern data is challenging not only due to its large scale, but also because it is increasingly heterogeneous and unstructured. Information gleaned from this data is revolutionizing diverse areas, from health policy to high energy physics.

Factors of success:

Engagement with
the CSU Career
Center

Internship or
research
involvement

On campus
employment

GPA

Additional resources:

- What can you do with a major in Data Science? <https://col.st/430hE>
- Learn more about occupations involving Data Science: <https://col.st/Eb6qv>
- Learn more about the field from the Data Science Association: <https://col.st/qnb8b>
- See current opportunities in Data Science: <https://col.st/GepLr>



Common industries

- Software and Technology
- Financial Services
- Insurance Manufacturing
- Transportation Consulting
- Government

Common first job titles

- Data Analyst
- Data Engineer
- Data Warehouse Architect
- Machine Learning Engineer
- Quantitative Analyst
- Business Intelligence Statistician
- Systems Analyst



COLORADO STATE UNIVERSITY

COLLEGE OF NATURAL SCIENCES | CAREER CENTER

CAREER CHECKLIST

Year 1

- Go to the Career Center's drop-in hours or schedule an appointment
- Log into Handshake, the CSU Career Center's online location for on-campus jobs, internships, and careers. Find an on-campus job and work for 10+ hrs/week
- Join a student organization relevant to Data Science: <https://col.st/2S3ld>
- Learn about the concentrations in the major: <https://col.st/MAT9N>

Year 2

- Go to the Career Center to discuss job/internship search strategies, create a resume and write a cover letter and tips for interviewing
- Apply for summer internships or research opportunities related to Data Science

Year 3

- Run for a leadership role in a student organization
- Update your resume and/or cover letter for internships or on-campus jobs
- Apply for undergraduate internships: <https://col.st/Hz6gW>
- Learn about graduate school options

Year 4+

- Present research at CSU
- Attend many networking events to meet employers
- Ask three professors and/or employers to be professional references
- Meet with Career Center to prepare for the job search or graduate school applications and to update your resume and/or cover letter

Alums

- You may continue to use the Career Center for guidance! All services are still available to you at no cost for one year after graduation and for a small fee after that.

Find more information specific to Data Science:
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