

BACHELORS DATA SCIENCE

TOP INDUSTRIES

1. Financials
2. Software & Computer Services
3. Consulting
4. Automobiles & Parts
5. Personal & Household Goods

SAMPLE JOB TITLES

- Actuarial Analyst
- AI Engineer
- Business Analyst
- Data Engineer
- Data Scientist
- Digital Strategist
- Global Data Operations
- Performance Analyst
- Product Manager
- Quantitative Strategist
- Risk & Financial Advisory Analyst
- Software Developer
- Software Engineer

TOP HIRING COMPANIES



SAMPLE HIRING COMPANIES

- 3M
- Ally Financial
- Amway
- BAE Systems
- Bloomberg
- BNSF Railway
- BNY Mellon
- Boston Consulting Group
- Citi
- CNH Industrial
- Deepgram
- Discover Financial
- Electronic Arts - EA
- Elevance Health
- Epic
- EY Parthenon
- Fast Enterprises
- Google
- Instahub
- Invenergy
- Johnson Controls
- Juni Learning
- Lutron Electronics
- MathWorks
- McKinsey
- Merck
- Microsoft
- Milliman
- NewMarket Capital
- OG Technologies
- Optum
- Petronas
- Pratt Miller
- Progressive Insurance
- PwC
- Rightware
- Ring
- Rokr
- Roush
- Sixth Street
- SuperFocus
- Susquehanna Int'l Group
- Tesla
- The Trade Desk
- Trane
- Tubelite
- United Airlines
- Urban Science
- Vanderbilt University
- Virtusa
- Walmart
- Workit Health
- Xsolla
- Yitu Tech

FULL TIME STARTING ANNUAL SALARY

Average: \$100,791

Min	Median	Max
\$60,000	\$91,500	\$200,000

INTERN HOURLY SALARY

Average: \$29.60

Min	Median	Max
\$15	\$25.50	\$53

Data above are from Academic Year 2023. Visit career.engin.umich.edu/career/salary-info for more comprehensive data.

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SAMPLE ELEVATOR PITCH

Hi, my names is [NAME] and I am currently a [year in school] studying data science at the University of Michigan.

What really excites me about data science is how it operates at the cross-roads between statistics, computer science, and business. I have enjoyed helping to bridge the communication gap between these disciplines through my involvement in campus activities such as [INSERT EXAMPLES].

What interested me about your position is that I see it as a way to continue the growth of not only my technical skills, but also my communications skills and I would love for you to tell me more about it.

SAMPLE IMPACT STATEMENT

Before - Created an interface designed to allow for easier assessment of medical problems

After - Utilized consumer data to develop a symptom evaluator for doctors and patients allowing for faster and more reliable diagnoses

KEY COURSES

EECS 281 - Data Structures & Algorithms; required for almost all upper-level EECS courses; intro to algorithm analysis and O-notation; several programming assignments

STATS 412 - Intro to Probability & Statistics; first stats course and required for the major

EECS 445 / STATS 415 - Machine Learning / Data Mining; teaches modeling techniques and combines both computer science and statistics skills

EECS/STATS 400 level classes - Allows you to focus on further statistical or computer science development

KEY SKILLS

Python - coding language

R - coding language predominantly used in the statistical world

SQL - coding language for DBMS's

Data Visualization Tools (Tableau, D3, Qlikview, Microsoft Power BI, Datawrapper, Plotly, etc.)

SAMPLE EXTRACURRICULARS

AborHacks

Code-M

Eta Kappa Nu - Honor Society

Michigan Hackers

Institute for Electrical & Electronics Engineers (IEEE)

Girls in EECS (GEECS)

Student Teams - MSAIL, A2 Data Drive, MAAV, MDST, Baja Racing, MUGSS, Electric Racing, SPARK, MHACKS