

# WELCOME! CURIOSITY LAB



**CAREER ACADEMY  
BOULDER**

**Gain job-relevant skills from industry leaders.**

**Access free career training programs from large national companies to complement your classroom learning and build your resume.**

Sign up is easy and available anytime!



 Career Services  
UNIVERSITY OF COLORADO **BOULDER**

Unlocking In-Demand, High Impact Undergraduate Research Skills

**Kris Heintz Nelson**  
**Skills & Experiences Team**

 Career Services  
UNIVERSITY OF COLORADO **BOULDER**

# SUPERCARGE YOUR UNDERGRAD RESEARCH!

**Undergraduate research requires computational and analytic tools.  
Career Academy+ can help! Tools to gather qualitative & quantitative data  
Data modeling and data visualization**

# Session

## Agenda

Overview: What  
is Career  
Academy

Navigation  
& Platform Walkthrough

Questions



University of Colorado  
**Boulder**

# What is Career Academy +?

01

## **Industry Micro-Credentials**

Leading Companies:

IBM, Google, Adobe,

Microsoft, Meta, Salesforce

Top Universities,

02

## **Hands-on & Flexible!**

Self-paced  
projects/learning

03

**FREE!**

# Key Highlights & Features

01

## + Courses/Certificates

Explore beginner to advanced modules

Project Management, Data Science, AI Suite, Data Analysis, Data Visualization

02

## Guided Projects

In under two hours master practical tools with step by step interactive tutorials:

Excel, Python, R, Tableau,

03

## Shareable Badges

Add Industry-verified credentials directly to your resume, and LinkedIn profile

# Examples



## Data & STEM

Data Analysis with  
Python & Pandas

Tools: Python, Jupyter  
Notebooks

Automate clean up of  
large quantitative  
databases



## Social Sciences

Data Visualization with  
Tableau

Tools: Tableau, Charts &  
Graphs

Valuation Modeling



## Econ & Business

Transform survey  
responses into interactive  
charts

Tool: Advanced MS Excel

Construct financial and  
statistical forecasting  
models



## Bio & Health

Data Analysis in  
R with Tidyverse  
with Tableau

Tools: R Programming

Perform statistical  
tests for experimental  
hypothesis



## Creative & Visual Arts

UX/UI Prototyping &  
Design Systems in  
Figma

Tools: Figma (wireframing,  
interactive prototyping and  
Visual Design

Translates creative and  
qualitative research into  
interactive digital artifacts,

# Career Academy.

*For current students,  
faculty and staff*



Questions?

THANK YOU!

*Kris Heintz Nelson*



CAREERACADEMY@COLORADO.EDU  
KRIS.HEINTZNELSON@COLORADO.EDU

# NAVIGATION SCREENSHOTS

 University of Colorado Boulder

Explore ▾ My Learning

 Search Coursera for CU Boulder Career Academy for St...





Click here



# CU Boulder Career Academy for Students

## Congratulations on completing Accelerate Your Job Search with AI!

[Add to LinkedIn](#)[View certificate](#)



### Today's goals

- ★ [Complete any 3 learning items](#) · 0/3
- ★ [Add a career goal](#)
- ★ [Set up a weekly learning target](#)

**⚡ 0 week streak** ⓘ

Learners with learning plans are 75% more likely to complete their courses.

Mo

Tu

We

Th

Fr

Sa

Su

0 items completed · 0 minutes learned

[Set your weekly learning target](#)

### Skills selected by University of Colorado at Boulder

Generative AI

Data Analysis

Project Management

Data Visualization

Cybersecurity

Sales

Marketing

UI/UX Strategy

Creative Design

Software Development

Web Development

Social Media

CLICK ON THE SMALL MAGNIFYING GLASS IN THE TOP SEARCH BAR TO FILTER THE CONTENT

Home > All Learning Programs > CU Boulder Career Academy for Students > Search

Filter by

Subject

- ☐ Computer Science (126,664)
- ☐ Business (96,071)
- ☐ Information Technology (88,442)
- ☐ Data Science (58,350)

[Show more](#)

Skills

- ☐ Generative AI (11,330)
- ☐ Google Cloud Platform (8,462)
- ☐ Python Programming (8,129)
- ☐ Prompt Engineering (7,737)

[Show more](#)

Level

- ☐ Beginner (171,584)
- ☐ Intermediate (166,081)
- ☐ Mixed (38,771)
- ☐ Advanced (22,901)

Duration

- ☐ Under 60 Minutes (383,337)
- ☐ 1-4 Weeks (7,953)
- ☐ 1-3 Months (4,367)
- ☐ Less Than 2 Hours (2,180)
- ☐ 3-6 Months (1,500)

Learning Product

Sort by: Best Match

**\*Subject**  
**\*Skill**  
**\*Level**  
**\*Duration**  
**\*Learning Product**  
(Short video, course, guided project, specialization, certificate)  
**\*Educator**  
**\*Language**  
**\*Hands-on Learning**  
(Dialogues & Roleplay Guided Projects, Coding Lab, Cloud Sandbox, Gen AI Playground)  
**\*Tools**

Google Data Analytics

Skills you'll gain: Data Storytelling, Rmarkdown, Data Visualization, Data Presentation, Data Ethics, Data Cleansing, Interactive Data...

Build toward a degree

4.8 · 182K reviews

Beginner · Professional Certificate

Google Project Management

Skills you'll gain: Quality Management, Project Closure, Scope Management, Team Management, Project Management Life Cycle...

Build toward a degree

4.8 · 145K reviews

Beginner · Professional Certificate

Google Cybersecurity

Skills you'll gain: Threat Modeling, Network Security, Vulnerability Management, Intrusion Detection and Prevention, Hardening, Comput...

Build toward a degree

4.8 · 69K reviews

Beginner · Professional Certificate

Google AI Essentials

Skills you'll gain: Prompt Patterns, Google Gemini, Generative AI, AI literacy, Risking, Model Training, Technology Roadmaps, AI Integration...

4.8 · 25K reviews

Beginner · Specialization

Google Data Analysis with R Programming

Skills you'll gain: Rmarkdown, Ggplot2, R (Software), R Programming, Data Analysis, Tidyverse (R Package), Plot (Graphics), Data...

4.7 · 12K reviews

Beginner · Course

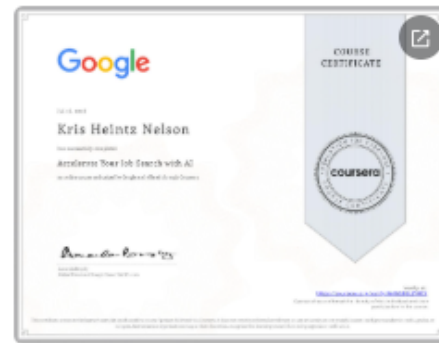
FILTER BY SUBJECT, SKILL, LEVEL, ETC

# CU Boulder Career Academy for Students

Congratulations on completing  
Accelerate Your Job Search with AI!

Add to LinkedIn

View certificate



### Today's goals

- ★ Complete any 3 learning items - 0/3
- ★ Add a career goal
- ★ Set up a weekly learning target

### 0 week streak

Learners with learning plans are 75% more likely to complete their courses.

Mo Tu We Th Fr Sa Su

0 items completed - 0 minutes learned

Set your weekly learning target

### Skills selected by University of Colorado at Boulder

Generative AI Data Analysis Project Management Data Visualization Cybersecurity Sales Marketing UI/UX Strategy Creative Design Software Development Web Development Social Media

### Collections selected by University of Colorado at Boulder

View all collections

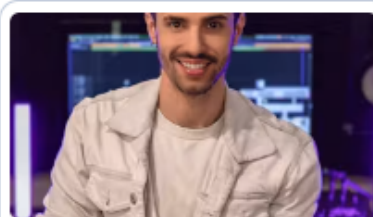
#### Creative Technology and Communication Skills



Imperial College London

Creative Thinking Tools for Success and Leadership

Specialization



Skillshare

The Art of Storytelling: Editing in Adobe Premiere Pro

Course



Imperial College London

Advanced Creative Thinking and AI: Tools for Success

Course



Imperial College London

Introduction to Creative Thinking: Tools for Success

Course

All Learning Programs > My Learning Program > Skills Dashboard > Generative AI

## Generative AI

My Score —

How does scoring work? ▾

Generative AI is a subset of artificial intelligence that leverages machine learning techniques to generate new content or data. Coursea's Generative AI catalogue helps you understand the complexities of modern machine learning methods, and enables you to design and implement generative models. You'll learn everything from the basic principles of deep learning, designing generative adversarial networks (GANs), to more advanced techniques like Transformer models and Autoencoders. Along the way, you'll gain skills in areas including natural language processing, image and video generation, and synthesizing new data, allowing you to create innovative AI applications and push the boundaries of what's possible in the field of artificial intelligence.

### Recommendations based on your current skill level

Improve your skills with any one of these recommendations.

#### Filter by

Language

English ▾

Level

All levels ▾

Subject

All subjects ▾

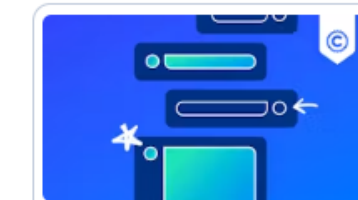
Partner

All partners ▾

Learning product

All learning products ▾

Reset



Coursera

Generative AI and Large Language Models

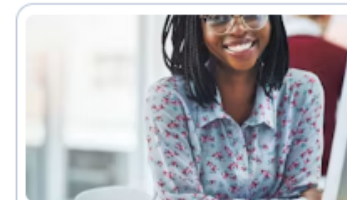
Course



Johns Hopkins University

Generative AI and Symbolic Reasoning

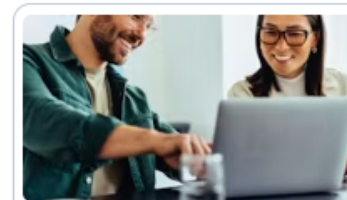
Course



Microsoft

Introduction to Generative AI for Developers With Copilot

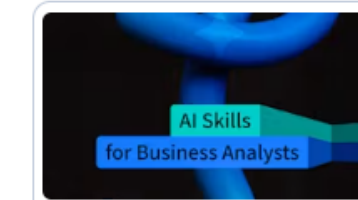
Course



Multiple educators

Generative AI for Product Managers

Specialization (4 Courses)



AI Skills

for Business Analysts



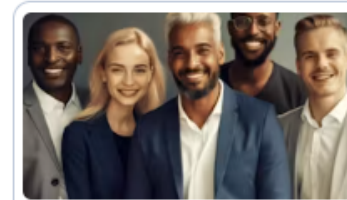
AI Skills

for Business Analysts



AI Skills

for Business Analysts



AI Skills

for Business Analysts

CLICK ON ANY LISTED SKILL TO  
HELP FILTER OPTIONS

SEARCH A COLLECTION TO FIND CONTENT.  
PLEASE FEEL FREE TO SUGGEST CONTENT FOR A COLLECTIONS! SIMPLY  
EMAIL CAREERACADEMY@COLORADO.EDU

University of Colorado Boulder Explore My Learning Search Coursera for CU Boulder Career Academy for St...

**Congratulations on completing Accelerate Your Job Search with AI!**

[Add to LinkedIn](#) [View certificate](#)



**Today's goals**

- Complete any 3 learning items - 0/3
- Add a career goal
- Set up a weekly learning target

**0 week streak**  
Learners with learning plans are 75% more likely to complete their courses.

Mo Tu We Th **Fr** Sa Su

0 items completed - 0 minutes learned

[Set your weekly learning target](#)

**Skills selected by University of Colorado at Boulder**

Generative AI Data Analysis Project Management Data Visualization Cybersecurity Sales Marketing UI/UX Strategy Creative Design **Software Development** Web Development Social Media

**Collections selected by University of Colorado at Boulder**

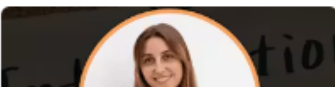
**Research and Communication Foundations**

  
The Hong Kong University of Science and Technology  
Critical Reading and Writing Skills with GenAI  
Course

  
Logical Operations  
Effective Business Writing  
Course

  
IBM  
Present with Purpose: Create/Deliver Effective Presentations  
Course

**Engineering Excellence: Problem Solving, Innovation, and Professional Growth**

  
Introduction to Engineering Design  
Course

  
Data Analysts with Python  
Course

  
Landscape Skills for Industry: Industry Foundations  
Course

  
Innovate with ANSYS Simulation Tools  
Course

CU Boulder Career Academy for Students Collections

**Collections selected by University of Colorado at Boulder**

Explore expertly curated collections to elevate your expertise, expand your knowledge, and boost your career growth.

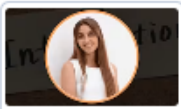
**Research and Communication Foundations**

  
The Hong Kong University of Science and Technology  
Critical Reading and Writing Skills with GenAI  
Course

  
Logical Operations  
Effective Business Writing  
Course

  
IBM  
Present with Purpose: Create/Deliver Effective Presentations  
Course

**Engineering Excellence: Problem Solving, Innovation, and Professional Growth**

  
Introduction to Engineering Design  
Course

  
Data Analysts with Python  
Course

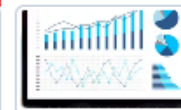
  
Landscape Skills for Industry: Industry Foundations  
Course

  
Innovate with ANSYS Simulation Tools  
Course

**Core Data Analysis Skills**

  
Local Basics for Data Analysis  
Course

  
Data Analysis with Python  
Course

  
Introduction to Data Analytics  
Course

**Foundations and Applications of Generative AI**

  
Generative AI Fundamentals  
Specialization (3 Courses)

  
Generative AI Prompt Engineering  
Course

  
Generative AI Introduction and Applications  
Course

  
Generative AI Content Creation  
Course

**Creative Communication and Digital Media Mastery**

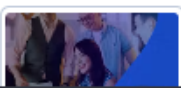
  
Multimedia Content Creation  
Course

  
Advanced Creative Thinking and AI Tools for Business  
Course

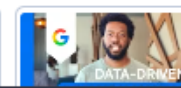
  
Mastering Digital Communication: Effective Online Engagement  
Course

  
Design Thinking for Innovation  
Course

**Comprehensive Business Leadership Essentials**

  
Data-Driven Business  
Course

  
Business Fundamentals  
Course

  
Business Strategy  
Course

  
Business Innovation  
Course