

UpSkilling @ UC Berkeley: Data-X

Helping Professionals Improve their Data Science, AI and ML Knowledge & Innovation Skills

Over 1,500 students have taken the highly popular Data-X course at UC Berkeley to develop hands-on, “applied innovation” skills in Data Science, AI and Machine Learning.

Join them this Fall 2020 virtually, with our instructor-led, professional track, guided by Berkeley faculty and industry experts.

The program runs from September 3 to December 17, 2020 and meets virtually 3 hours weekly. Combines online discussion, self-guided learning, and a team project, where the skills learned are applied to venture applications.

Unique among data science courses in that Data-X includes a mentored project, allowing participants to apply course learnings to real data sets and create novel data insights and innovation solutions.

Ideal for a range of professionals - from those with limited programming backgrounds to those seeking a “refresh” of their data science skills or deeper, “hands-on” exposure to the latest industry tools and libraries in use today and “applied innovation” practice.

Our unique value proposition includes:

- Certificate for UpSkilling @ UC Berkeley: Data-X
- UC Berkeley credits
- Berkeley faculty
- Industry experts as mentors
- Hands-on, “applied innovation”, project-based learning under expert guidance, using Berkeley's Innovation Leadership framework
- Cutting-edge, industry-leading tools, libraries and approaches to data science (Not a theoretical class that won't really help you in a job.)
- Course materials, access to tools and libraries included in course fee

Costs and Features:

- \$4,500 - Starting Fall 2020 -- \$3,900 until July 15
- Live Sessions Online - one afternoon per week (Thursdays, 2-5pm Pacific Time) from September 1 to December 16
- Ideal for a broad range of professionals located around the world.
- Includes all instruction materials, tools, and libraries.

Some highlights of the topics, tools and elements covered in this course:

- Introduction to Insights from Data, Project Structure & Fundamentals
- GitHub, Anaconda Environment & Python Review; Innovation Leadership for Project
- Industry Tools & Best Practices – Begin Building Your Project Solution
- Coding with Numpy, Pandas, Scikit-Learn, Matplotlib, LNTK, Gensim, TensorFlow
- Focus on Databases & Analysis – Scale your Project: Agile Development & Implementation Demo
- Big Data with Spark, Blockchain / Distributed Ledger, SQL/Python, GAN, Reinforcement Learning
- Present your Project to a Panel of Faculty and Industry Experts for Feedback, Publish Project Report

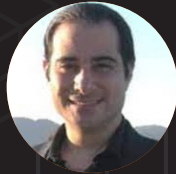
Award-Winning UCB Faculty and Silicon Valley Industry Leader as Mentors



Ikhlaz Sidhu
Lead Instructor
Chief Scientist,
UC Berkeley
Award-Winning
Faculty, PhD
Electrical
Engineering
& Computer
Science



Arash Nourian
VP and Chief
Product AI
Scientist @
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Professor of
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@ UC Berkeley
PhD Computer
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Mike Kyriacou
CEO Stratica
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Vik Singh
Entrepreneur,
Founder, CEO
Infer Inc
BS Computer
Science, UC
Berkeley



Ed Henrich
Group VP
Oracle,
Entrepreneur,
McKinsey
+ PhD
Engineering
UCLA, Fulbright
Scholar

Today's companies require employees with the latest data science skills to gain insight on their customers, operations and growth through their data.

Join us at UC Berkeley to take your career to the next level and move your firm's digital transformation forward.

Companies may provide sponsorship for employees or employees may enroll directly and request reimbursement from their firm – contact Jocelyn Weber at jweberphipps@berkeley.edu and visit scet.berkeley.edu/data-x for more information and to apply.

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Entrepreneurship & Technology