

SUMMER SPRINGBOARD
Look Inward. Go Upward.

Generative AI + Machine Learning Infosheet

New student admissions for Summer 2027 are open.

2-Week Course

This is a two-week program where you'll focus on one course for the entire duration.

Program Highlights

- Apply programming skills using Python for data manipulation, analysis, and visualization
- Gain exposure to different career paths in the field (i.e, data scientist, data analyst, and data engineer) through guest speakers & site visits
- Explore neural networks and deep learning by creating and training a simple neural network
- Conduct exploratory data analysis on datasets, applying statistical concepts and generating meaningful data visualizations to derive valuable insights.

2027 Dates

Berkeley:

- Session 2: June 20 - July 2
- Session 4: July 5 - July 17*
- Session 6: July 18 - July 30

Barnard College, Columbia University:

- Session 2: July 18 - July 30

*Sessions starting July 5th will start on Monday, not Sunday (due to the holiday). During the first week, classes meet Tuesday through Friday, followed by Monday through Friday in week two.

Academic Program Overview

Ready to dive into the fast-paced world of Generative AI & Machine Learning (GenAI & ML)? This course will explore large language models like GPT, Claude and more that are the AI systems in GenAI programs! With the booming influence of data, several data-related job roles and opportunities are in high demand. From improving decision making processes to releasing innovations, GenAI & ML have become essential to the success of every industry.

In this program, students will cover a wide range of topics from Python basics to advanced concepts like neural networks and deep learning. Students will also have an opportunity to practice their learning by applying their knowledge through projects and exercises using real-world datasets. They will gain experience with popular unified analytics platforms like Databricks in a collaborative cloud-based environment. Students will also have discussions on the ethical implications of artificial intelligence to prepare them to be responsible practitioners in the field.

Excursions

Past excursions have included visits to Databricks, IBM, Box, Inc. and the Adobe Headquarters. Students had the opportunity to learn about the impact of AI & machine learning in business, healthcare, and communications. In both visits, students learned from experts in the field and enjoyed asking questions to learn more about possible career paths.

Instructors

Berkeley Instructor - Dr. Kamal Ali

Dr. Kamal Ali is a distinguished AI and machine learning expert with over two decades of pioneering experience in Silicon Valley, where he currently serves as an industry consultant specializing in large language models, artificial intelligence, and conversational agents. He earned his Ph.D. and Master's in Computer Science from UC Irvine and he holds his BS in Computer Science from the University of Sydney. He has held several pivotal leadership roles including Chief Data Scientist at Simplifai, Machine Learning Scientist at Apple, Inc. and Fusemachines, and was a co-founder and Chief Scientist of Peerlyst. His impressive career also includes serving as a Senior Research Scientist at Stanford University's prestigious Computational Learning Lab.

Barnard Instructor - Dr. Christelle Scharff

Dr. Christelle Scharff is a Professor of Computer Science, Associate Dean, and Co-Director of the Seidenberg AI Lab at Pace University. Her expertise spans AI, mobile technology for social change, and global software engineering, with notable research in AI-generated African textile patterns. Dr. Scharff has received grants from NSF, Google, and Microsoft, and is a Fulbright award recipient.

Tuition Information:

Apply by November 30 to lock in the lowest tuition of the year. Tuition increases on December 1.

Residential Students:

- **Includes:** all meals, lodging, excursions, academic course, weekend excursions
- **Excludes**: optional airport pickup and drop off service (available for an additional fee)
- **Tuition**: Berkeley: $6,298; Barnard: $5,998

Commuter Students:

- **Includes:** lunch, academic course, excursions, programming from 9am to 5:15pm, Monday-Friday
- **Excludes:** lodging, breakfast, dinner, weekend excursions
  - Weekend excursions can be added on for $125 per day
- **Tuition**: $3,298

Supplements:

- **Application fee**: Starting at $99 (mandatory, non-refundable)
- **Tuition Protection Plan**: Allows for cancellation for any reason up until the day of the program. Click here for more info.

Summer Springboard programs are not run by our campus partners (with the exception of Cal Poly, University of Washington Foster School of Business, and NYSID which are run in partnership with SSB). Universities and their affiliated departments and partners do not control and are not responsible or liable in any manner for any part of the Summer Springboard program.

Course Structure

There are nine 3-hour class sessions over the two-week course. During week one, students have class from 9am-12pm Monday - Friday. During week two, students have class from 9am-12pm Monday through Thursday. Afternoons in both weeks are dedicated to students' preferred College Readiness Workshops (CRW), True You, and Academics in Action, with Academics in Action including academic excursions, guest speakers, and course-related activities, such as an instructor-led project or student-led, independent study.

Typical Schedule

8AM	Breakfast
9AM	Academic Course / Commuter Student Arrival
12PM	Lunch
1:30PM	Academics in Action or Recreational Activity
3:30PM	CRWs, True You, or Academics in Action
5-5:15PM	Commuter Student Departure
6PM	Dinner
7PM	Clubs
10:30PM	Night Checks

Schedule above is a sampler; real schedules may vary based on program and academic track.

More info on Airport Transfer

More info on Unaccompanied Minor Service

Apply Now!

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