
SUMMER SPRINGBOARD
Look Inward. Go Upward.

# Generative AI + Machine Learning Infosheet

**New student admissions for Summer 2026 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.

## 2026 Dates

**Berkeley** ($5,998)

- Session 2: June 21 - July 3
- Session 4: July 5 - July 17
- Session 6: July 19 - July 31

**Barnard College, Columbia University** ($5,998)

- Session 1: July 5 - July 17
- Session 2: July 19 - July 31

## 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, 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/Columbia 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:

### Residential Students:

- **Includes:** all meals, lodging, excursions, academic course, weekend excursions
- **Excludes**: optional airport pickup and drop off service (available for an additional fee)
- **Price**: See prices under 2026 dates

### Commuter Students:

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

## 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. Wednesday afternoons are dedicated to additional academic time (excursions, speakers).

## Typical Schedule

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| 8AM | Breakfast |
| 9AM | Academic Course / Commuter Student Arrival |
| 12PM | Lunch |
| 1:30PM | Academic Excursions or Recreational Activity |
| 3:30PM | College Readiness Workshop or True You |
| 5PM-6:30PM | Commuter Student Departure |
| 6PM | Dinner |
| 7PM | Clubs |
| 10:30PM | Night Checks |

More info on Airport Transfer

More info on Unaccompanied Minor Service

Apply Now!