![Summer Springboard logo]

SUMMER SPRINGBOARD
Look Inward. Go Upward.

Computer Science Infosheet

New student admissions for
Summer 2023 are open.

📖 Academic Program Overview

The advent of smart infrastructures, wearable devices and Internet of Things (IoT) has enabled platforms through which large volumes of data can be easily captured and transferred over networks with no or minimum interaction from humans. Every individual nowadays can produce data in ways that were hard to imagine only a decade ago. Harnessing this data can help scientists and engineers achieve astonishing breakthroughs from building autonomous cars to developing personalized healthcare. However, capturing and collating data by itself cannot be useful unless we learn how to understand them, interpret them and how to extract patterns, often implicit, from them. As data scientists and engineers we need to be able to tweak data to be amenable to various techniques and sciences such as Artificial Intelligence, Machine Learning, etc. In this course, we will learn basic ideas behind data science, machine learning, statistics and AI. We will work on methods and techniques that are essential in most data driven projects.
The curriculum is tailor-made to the skills of each individual student so beginner, intermediate, and advanced students are all welcome.

▷ Excursions

Past speakers have included a developer from Microsoft. Previous excursions included a trip to GoogleSF, as well as visiting the Raspberry Pi offices in San Francisco where students had an opportunity to learn more about the Raspberry Pi platform and got an opportunity to do some hands-on coding.

💡 Program Highlights

- Gain hands-on experience with the Python programming language by performing complex data analytics exercises.
- Identify insights from activity tracking data using wearable devices such as smartwatches.
- Analyze data and extract patterns utilizing data science, artificial intelligence, and machine learning.
- Start thinking like a technologist and meet programmers and entrepreneurs who are creating the future.

📅 2023 Dates

UC Berkeley ($5,698)
- Session 1: June 18 - June 30
- Session 2: July 2- July 14
- Session 3: July 16 - July 28

New York ($5,498)
- Session 1: June 18 - June 30
- Session 2: July 2- July 14

Instructors

UC Berkeley - Dr. Qi Zhao, UCLA Computer Science
Dr. Qi Zhao holds a Ph.D. in Computer Science from UCLA where he worked in the Network Research Lab, Internet Research Lab, and won the Computer Science Departmental Fellowship.
NYC - Gizem Kayar completed her MSc and Ph.D. at The University of Freiburg in Computer Science and later worked as a Postdoc at MIT Geonumerics Group.

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: $5,698*

Commuter Students:

- Includes: lunch, academic course, excursions, programming from 9am to 5pm, Monday-Friday
- Excludes: lodging, breakfast, dinner, weekend excursions
- Price: $3,098

Extended Commuter Students:

- Includes: lunch, dinner, excursions, academic course, programming from 9am to 8pm, weekend excursions
- Excludes: lodging, breakfast
- Price: $3,698

Supplements:

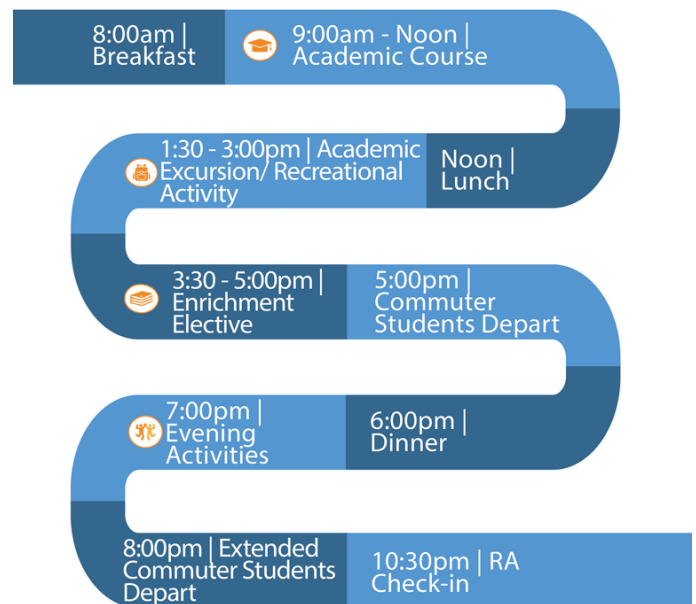- Application fee: $99 (mandatory, non-refundable)

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

8:00am	Breakfast	9:00am - Noon	Academic Course
1:30 - 3:00pm	Academic Excursion/ Recreational Activity	Noon	Lunch
3:30 - 5:00pm	Enrichment Elective	5:00pm	Commuter Students Depart
7:00pm	Evening Activities	6:00pm	Dinner
8:00pm	Extended Commuter Students Depart	10:30pm	RA Check-in

More info on Airport Transfer

More info on Unaccompanied Minor Service

Summer Springboard programs are not run by our campus partners (with the exception of Cal Poly which is 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.

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