ROAR ACADEMY

UC Berkeley High School Summer Academy: Python Programming, Autonomous Driving Algorithms, and AI

The Vive Center's Robot Open Autonomous Racing (ROAR) Academy Summer program is a rigorous, intensive two-week (10 days) in person program for advanced high school students who have demonstrated an aptitude for academic and professional careers in Science, Technology, Engineering and Mathematics (STEM) subjects.

The goals of the academy are to support high school students through an interactive exploration of undergraduate engineering majors, participants will delve into topics such as hardware/software design, machine learning, reinforcement learning, GPT, and large language models. Our top students have participated in ROAR Simulation Racing competitions, been awarded ROAR Ambassador fellowships, and even attended the Indy Autonomous Challenge.

After completing the program, students will have the opportunity to become ROAR Ambassadors, participate in all future ROAR competitions and seminars, and will receive a certificate of completion.

SESSIONS

Summer 2024 will offer two sessions taught in person from 9am-3pm at UC Berkeley.

Session 1 (July 8 -July 12, July 15-19)
Session 2 (July 22 - 26, July 29 - Aug. 2)

HOW TO APPLY

We welcome applications from students entering grades 10-12. Applicants must have prior Python programming experience.

Early Application Deadline: March 24, 2024

Applications are reviewed on a rolling basis, and we encourage you to submit your completed application as soon as possible.

FINANCIAL AID

We award full scholarships for families who demonstrate financial need. You do not need to submit an additional scholarship application.

CONTACT US

Questions? Contact Huo Chao Kuan, hc_kuan@berkeley.edu

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Visit roar.berkeley.edu/roar-academy to learn more

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