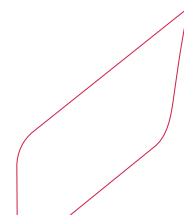


JUNIOR EXPLORER PROGRAM





NOTE FROM THE PROGRAM DIRECTOR

As a kid, I remember asking questions that stumped my parents. They would always answer – but I could tell that I was just pressing at the edge of their knowledge.

Looking back, I wish I had a mentor who was as nerdy as I was about my interests (in 7th grade it was economics for me!). That’s why I started Lumiere and our Junior Explorer program. In the program, you work 1-1 with a world-class expert to explore an area that excites you (I’m one of the mentors)!

Last year, we had over 5000 students apply to our programs. It’s not a great fit for all students – we’re usually best for ambitious and gifted students. But, for those for whom it makes sense, we’re excited to help you explore.

DHRUVA BHAT

Harvard College '17

Oxford PhD, Rhodes Scholar





LUMIERE BY THE NUMBERS

2022-2023 SCHOOL YEAR

4200+
Applications

1400+
Mentors

22000+
Mentoring hours

62
Countries

\$390,000+
In financial aid

WE HELP STUDENTS



EXPLORE YOUR ACADEMIC INTERESTS

Work with a mentor from a top university 1-on-1 to explore your interests in a field of your choice e.g Engineering, Business, Biology etc



BUILD A MEANINGFUL PROJECT

Create a research report
OR
Create a presentation
OR
Create something else
(Surprise us!)



PREPARE FOR HIGH SCHOOL OR COLLEGE

Build reading, writing, critical thinking, problem solving, and innovation skills to excel in your academic journey

AVAILABLE EXPLORATION TRACKS

STEM

- Computer science
- AI & data science
- Psychology
- Physics & astrophysics
- Economics
- Biology, medicine, and public health
- Engineering
- Mathematics

HUMANITIES AND SOCIAL SCIENCES

- Business, entrepreneurship, and strategy
- History, international relations, and government
- Environment studies
- Sociology and anthropology



OUR MENTORS

Lumiere has **1400+** mentors from top universities



UCLA



Yale



UNIVERSITY OF
OXFORD

EXAMPLE MENTOR PROFILES



CAITLIN NICHOLS

HARVARD UNIVERSITY
PhD in Biological and
Biomedical Science

SPECIALIZATION

Cancer Genetics,
CRISPR Gene Editing,
Molecular Biology



PRAISE OWOYEMI

**UNIVERSITY OF
CALIFORNIA, LOS ANGELES**
PhD student in Clinical
Psychology

SPECIALIZATION

Psycho-oncology, Clinical
Psychology, Health
Psychology



BHARGAV GOPAL

COLUMBIA UNIVERSITY
PhD in Economics

SPECIALIZATION

Labor Economics, Law
and Economics,
Applied Statistics



SANAH BHIMANI

YALE UNIVERSITY
PhD candidate in Physics

SPECIALIZATION

Cosmology (Evolution of
the Universe), Exoplanet
Data Analysis



SAMUEL LEITER

MIT UNIVERSITY
PhD candidate in
International Affairs

SPECIALIZATION

Nuclear Proliferation,
Preventive War, East Asian
Security, Alliance Politics



JUNIOR EXPLORER PROGRAM

An 8-week program for middle school students to explore their academic interests while building a project they are passionate about



WEEKS 1-4

Explore different tracks

WEEKS 5-6

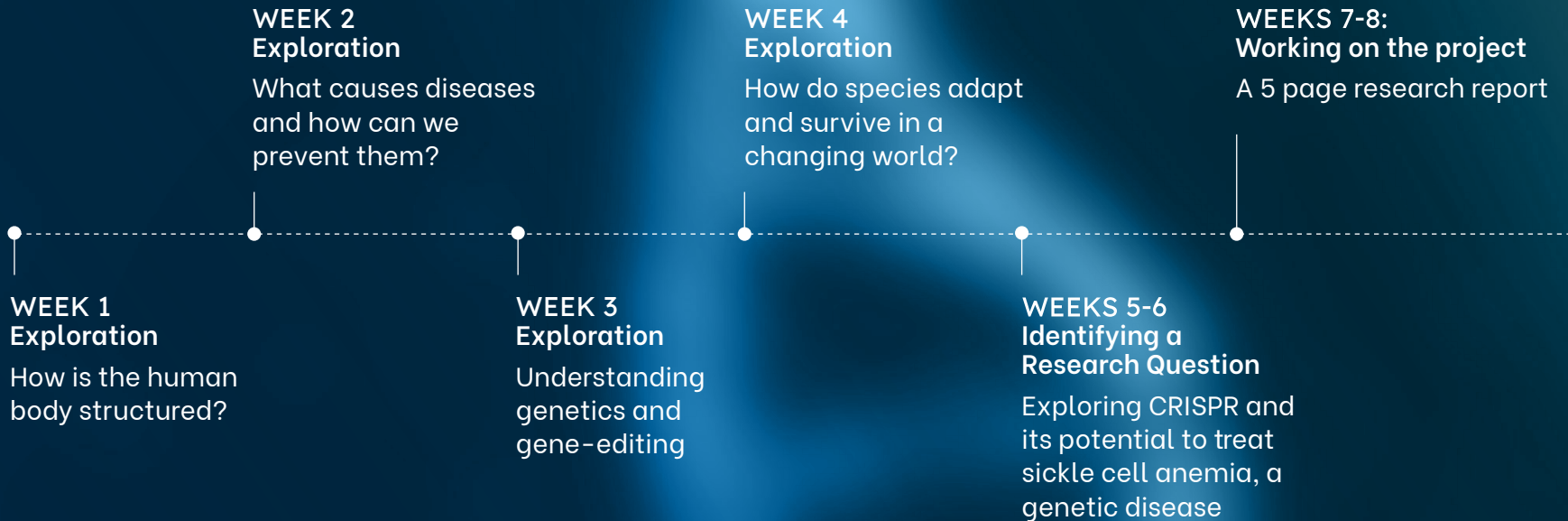
Deep dive into one topic area and define your project

WEEKS 6-8

Build your project with support from the mentor

WHAT THE PROGRAM COULD LOOK LIKE FOR YOU

Example 1: Biology, medicine, and public health track



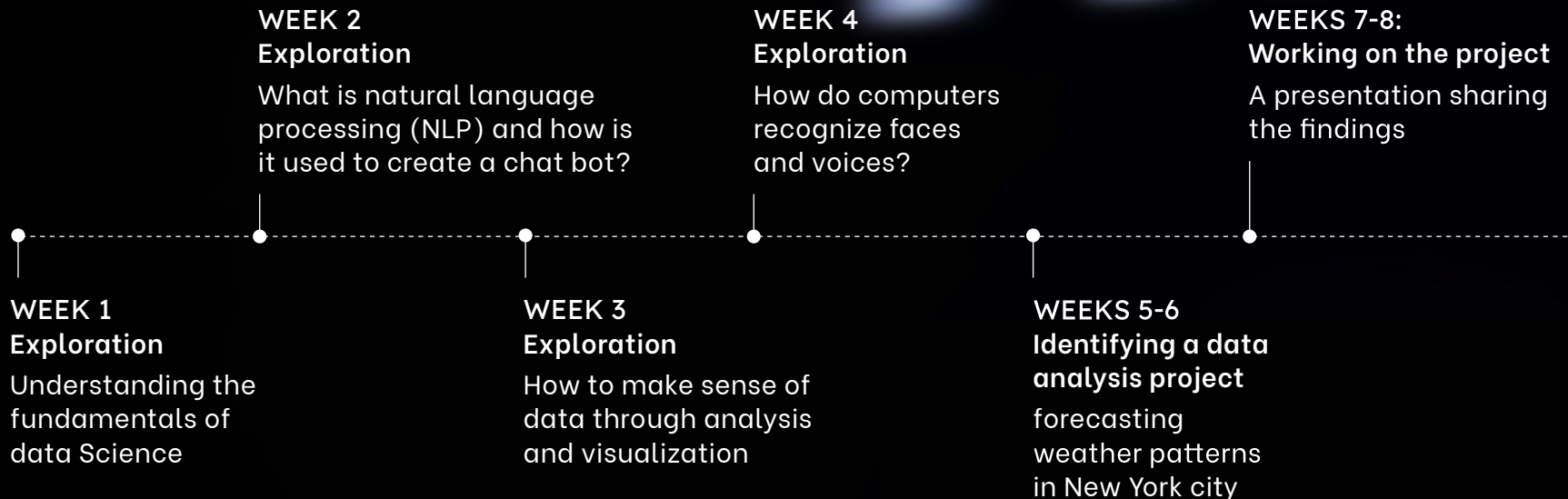
WHAT THE PROGRAM COULD LOOK LIKE FOR YOU

Example 2: Business, entrepreneurship, & strategy



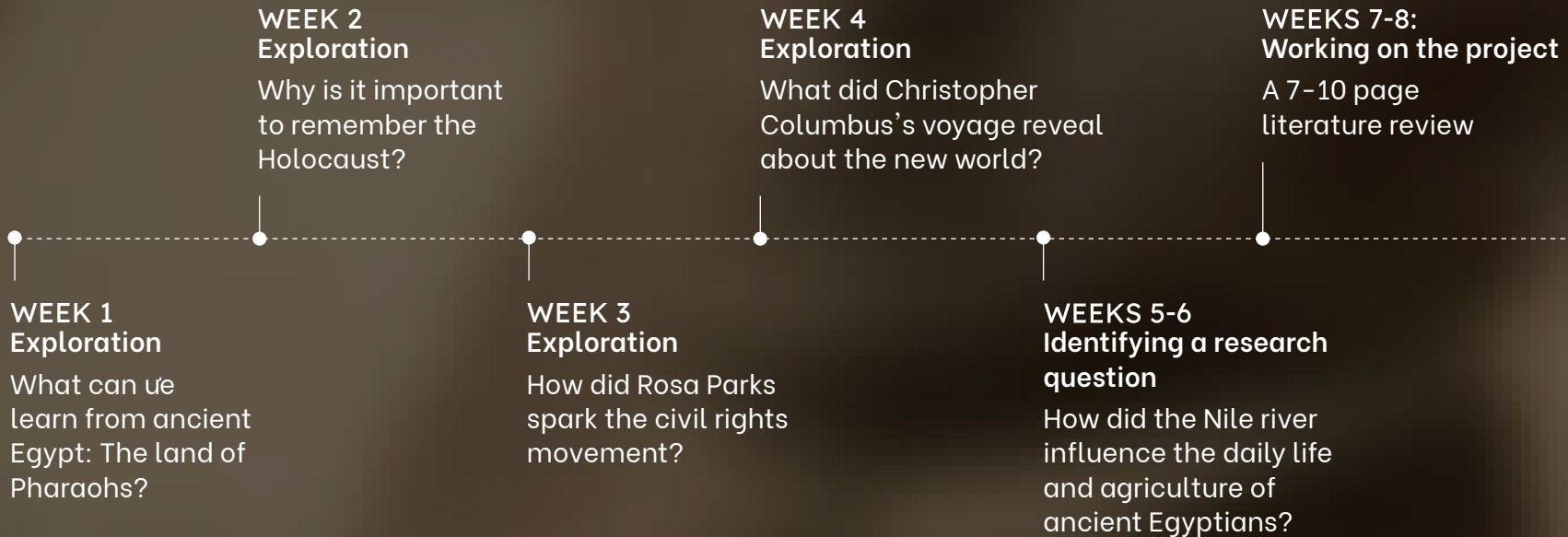
WHAT THE PROGRAM COULD LOOK LIKE FOR YOU

Example 3: AI & data science track



WHAT THE PROGRAM COULD LOOK LIKE FOR YOU

Example 4: History track



OUR PROGRAM

Program goal	Explore an academic field with an expert and build a unique project.
Structure	Weekly 1-1 virtual sessions with a mentor
Duration	8 weeks
Student profile	Grades 6-8
Pre-requisites	No prior experience required
Output	High school level project
Cost	\$2400 Financial aid is available

LUMIERE RESEARCH INCLUSION FOUNDATION

In 2022, we officially launched a 501(c)(3) non-profit, the Lumiere Research Inclusion Foundation, that provides free high-quality research opportunities to talented, financially disadvantaged students.

What We Do

At the foundation, we pair talented students with volunteer mentors to do the Junior Explorer Program at no cost.

Our Impact

35

Countries expanded outreach to



1500+

Applications in the past year



175

Students supported through aid



To apply for our foundation, select **yes** for the question “Would you like to apply for need-based financial aid scholarship?” in our application

SELECTED STUDENT PROFILES



KATHLEEN

PROJECT TOPIC:

Gender barriers that students face in accessing computer science education

LUMIERE EXPERIENCE:

“Lumiere allowed me to believe I can do research and helped me do something I never imagined I would be able to. Because of you all, I’m not so scared that I will succeed in high school and college



LILY

PROJECT TOPIC:

How can the standard model of particle physics be consistently extended to include additional light-matter fields, and how might such fields explain dark matter?

LUMIERE EXPERIENCE:

“Lumiere truly helped me a lot! The admissions office at Princeton called my mentor and asked him questions about me. Because the university values research a lot, I got in! Thank you so much because with this program and this chance I would never ever be able to attend and get a full ride.”



ARAL

PROJECT TOPIC:

Analyzing life on Exoplanets

LUMIERE EXPERIENCE:

Using data from NASA’s exoplanets archive, Aral and his mentor aimed to gauge the level of habitability of various planets by analyzing factors like temperature, distance from star, eccentricity, etc. Aral learned how to use the NumPy library for the first time and also grappled with the nuances of data analysis.



APPLICATION TIMELINE



Application:
Fill out an online application form before the deadline



Interview:
Shortlisted students will be scheduled for an interview



Mentor Match:
Selected students will be matched with a mentor in their selected track



Start the program!



APPLICATION DEADLINE & PROGRAM DATES

FALL 2024

 **Application Deadline**
25th Aug, 2024

 **Cohort Timing**
16th Sept, 2024


WINTER 2024

 **Application Deadline**
24th Nov, 2024


 **Cohort Timing**
16th Dec, 2024

SPRING 2025

 **Application Deadline**
9th February, 2025

 **Cohort Timing**
3rd March, 2025


SUMMER 2025

 **Application Deadline**

Early Admission: 9 th February, 2025	Regular Admission 1: 13 th April, 2025
Priority Admission: 9 th March, 2025	Regular Admission 2: 11 th May, 2025

 **Cohort Timing**
2nd June, 2025

SUMMER II 2025

 **Application Deadline**
23rd June, 2025

 **Cohort Timing**
14th July, 2025



To learn more or schedule a private info session, please reach out to our Head of Partnerships at maya.novak-herzog@lumiere.education

 www.lumiere-education.com

 Lumiere Education

 @lumiere_edu_

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