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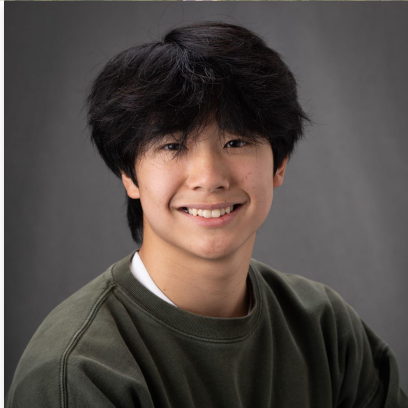
Ellison Scholars

2nd Cohort

ADAM CHEONG
BORN IN 2009

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#health & medical sciences
#sustainable agriculture
#ai & robotics





Adam Cheong

Proof School | San Francisco, California | adam@cheong.net

A high school student with a strong interest in science, math, engineering and robotics, Adam interns at a seed-stage **robotics startup** in San Francisco from day one. Adam's **science projects** since 7th grade, from hydroponics to computational biology, have won STEM fair awards every year. Adam is a member of the Masason Foundation.

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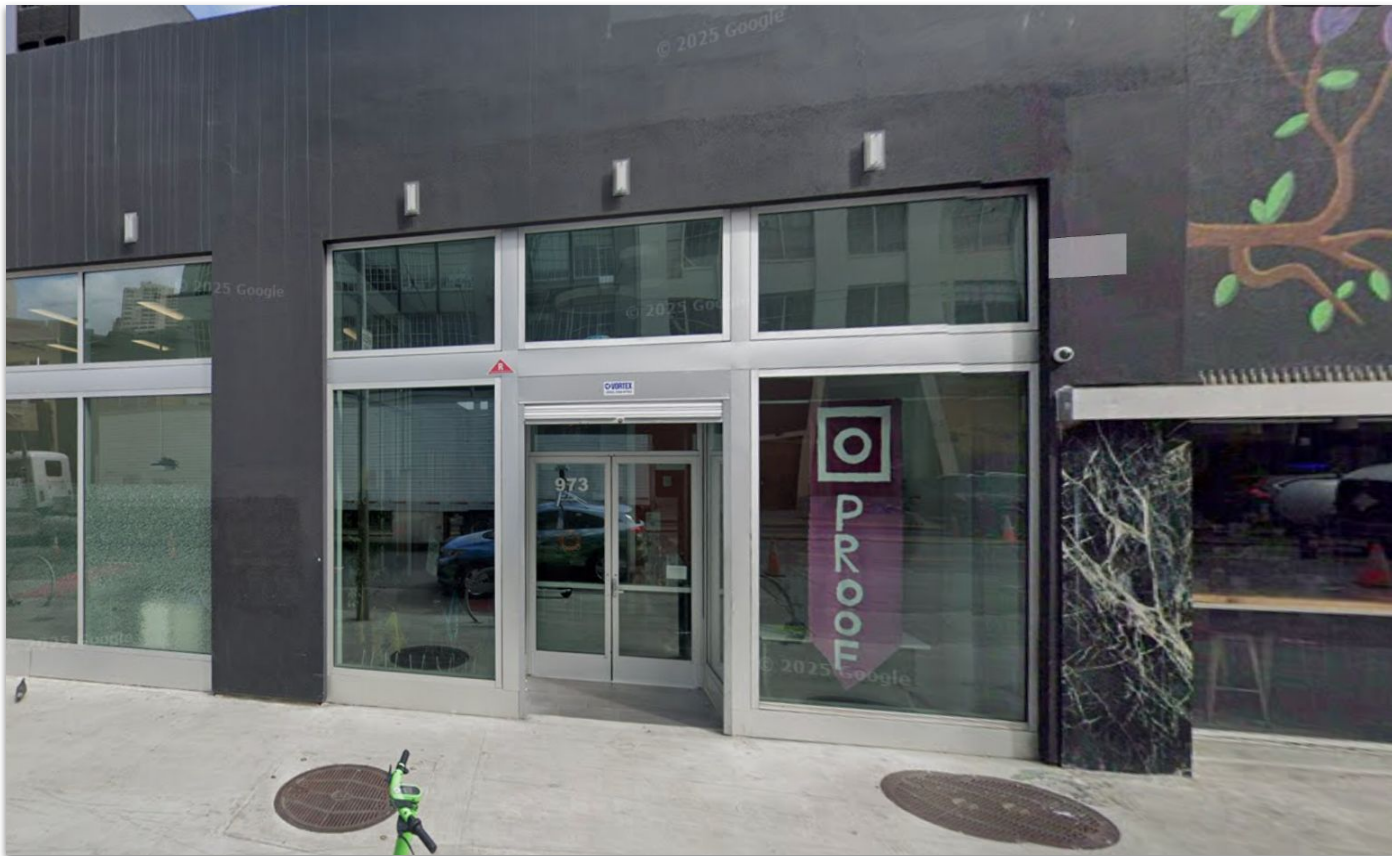
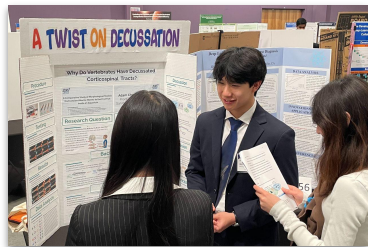


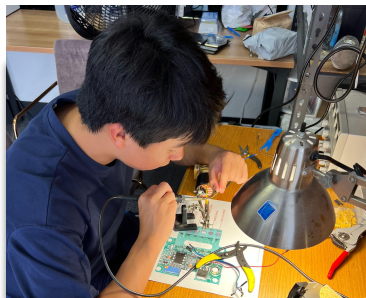
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University of Oxford

Degree level: Undergraduate

BIOMEDICAL ENGINEERING

Course options

2026 - 2027

28 course options available



Qualification type

Master of Engineering (with Honours) - MEng (Hon)



Location

Keble



Start date

04 October 2026



Study mode

Full-time

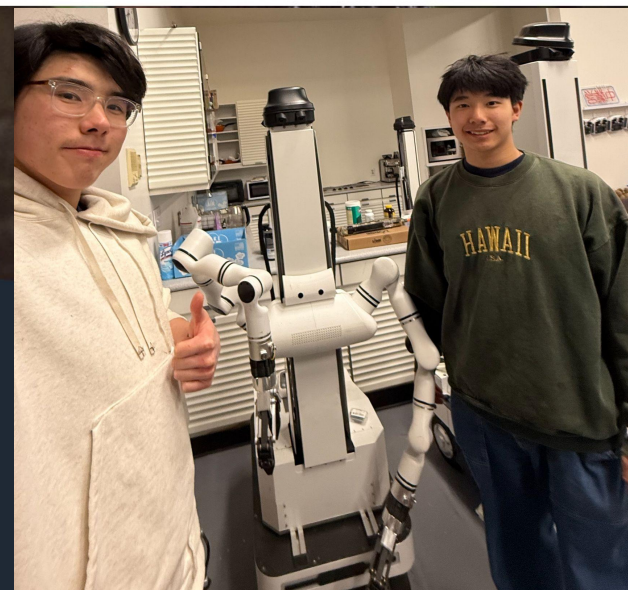


Duration

4 years

Apply

There are other course options available which may have a different vacancy status or entry requirements - [view the full list of options](#)





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Science fairs

2025.03

4th Place, Bioinformatics and Computational Biology

High School Division, Alameda County Science and Engineering Fair (ACSEF)

Monte Carlo Simulation of Somatic Twist in Ancient Marine Worms

2024.04

Honorable Mention, Zoology

Senior Division, California Science and Engineering Fair (CSEF)

Why Do Vertebrates Have Decussated Corticospinal Tracts?

2024.03

1st Place & Bill Tobin Award, Biological Sciences

9th Grade, Golden Gate STEM Fair (GGSF)

Why Do Vertebrates Have Decussated Corticospinal Tracts?

2023.04

Honorable Mention, Applied Mechanics and Structures

Junior Division, California Science and Engineering Fair (CSEF)

Cliffhanger: A Dynamically Stable Mechanical Mountain Climbing Aid by Design

2023.03

1st Place, Engineering: Electrical and Mechanical

8th Grade, Golden Gate STEM Fair (GGSF)

Cliffhanger: Dynamic Stability in a Mechanical Mountain Climbing Aid by Design

2023.03

1st Place, Engineering, Technology and Application of Science

8th Grade, San Mateo County STEM Fair

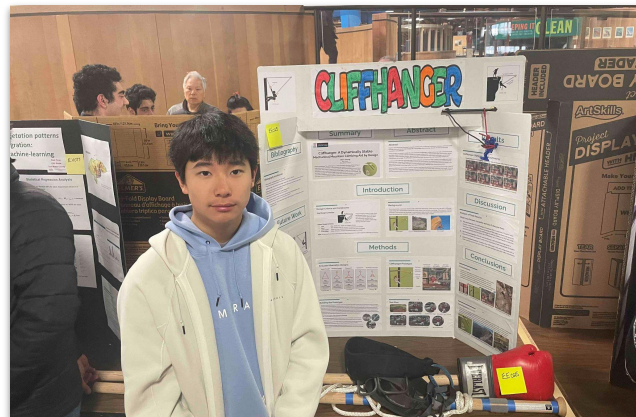
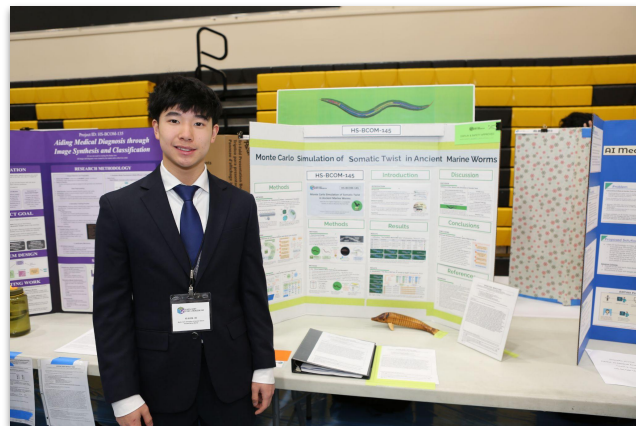
Cliffhanger: Dynamic Stability in a Mechanical Mountain Climbing Aid by Design

2022.03

Honorable Mention, Biological Systems

7th Grade, San Mateo County STEM Fair

Does the Color of Light Affect Plant Growth?





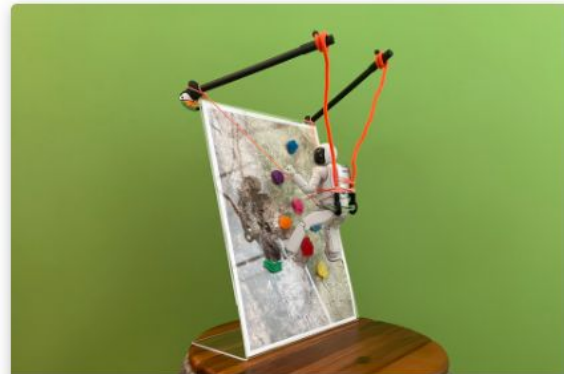
monte carlo

Monte Carlo simulation of somatic twist in ancient marine worms



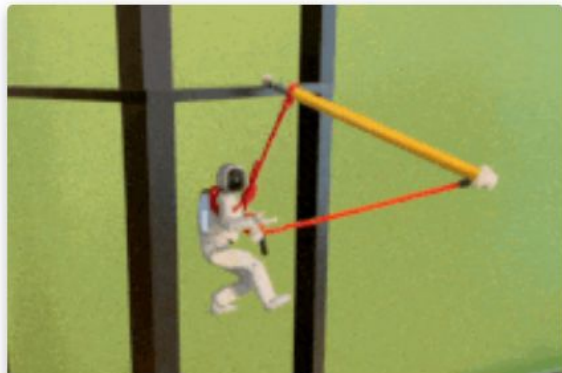
decussation

why do vertebrates have decussated corticospinal tracts?



cliffhanger v2

dynamically stable mechanical mountain climbing aid by design



cliffhanger

dynamically stable mechanical
mountain climbing aid by design



rocket fuel

homemade rocket fuel with kitchen
chemistry (i.e., kno_3 + sugar etc.)



go kart go!

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Adam Cheong

Open Exam Honorable Mention Certificate

2025 USA Biolympiad

Sponsored by

Center for Excellence in Education

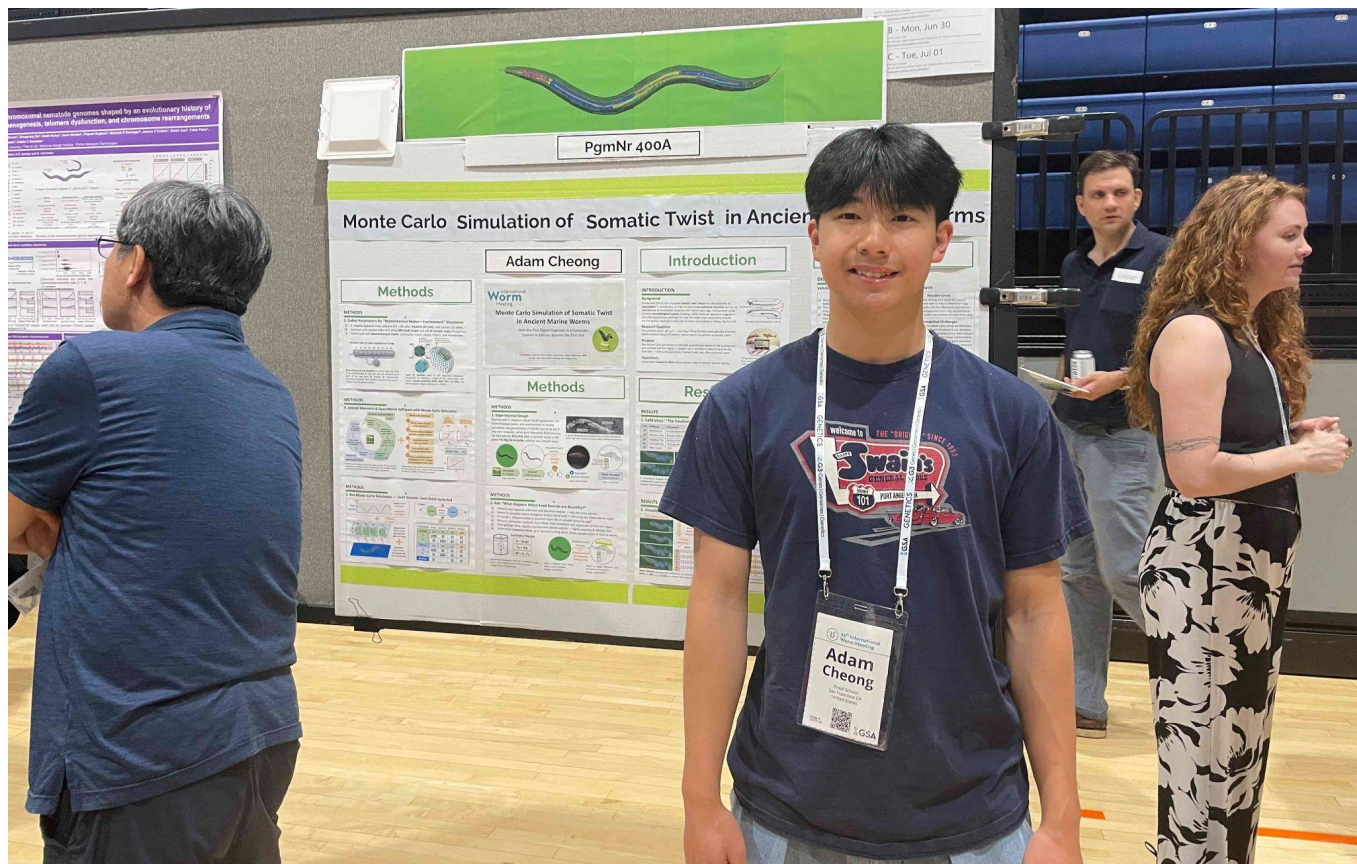
A handwritten signature in black ink, appearing to read "Kathy Frame".

Kathy Frame
USA Biolympiad Director
Center for Excellence in Education

A handwritten signature in black ink, appearing to read "Joann P. DiGennaro".

Joann P. DiGennaro
President
Center for Excellence in Education

Adam Cheong

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TERM

☒ Summer Sessions 2025 (1)

☐ C: June 23-Aug 15 (1)

☐ Summer Sessions 2024 (1)

☐ C: June 17-Aug. 9 (1)

☐ Spring 2024 (2)

☐ Fall 2023 (1)

☐ Summer Sessions 2023 (1)

☐ C: June 20-Aug. 11 (1)

☐ Spring 2023 (2)

☐ Fall 2022 (1)

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MODE OF INSTRUCTION

☐ Online Instruction (1)

MAJOR REQUIREMENTS

--Select requirement year--

Search found 1 items

(x) Summer Sessions 2025

cs61a

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2025 Summer Session C 8 weeks, June 23 - August 15 **COMPSCI 61A**

001 - LEC 001 offered through **Electrical Engineering and Computer Sciences**

The Structure and Interpretation of Computer Programs

Laryn Qi

Jun 23, 2025 - Aug 15, 2025 Mo, Tu, We, Th 05:00 pm - 06:29 pm

Class #: 13253 Units: 4

Instruction Mode: Online

Time Conflict Enrollment Allowed



Open Seats


30 Unreserved Seats

An introduction to programming and computer science focused on abstraction techniques as means to manage program complexity. Techniques include procedural abstraction; control abstraction using recursion, higher-order functions, generators, and streams; data abstraction using interfaces, objects, classes, and generic operators; and language abstraction using...

[How to apply](#)

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2023.08 - 2027.06

San Francisco, California



High School

Proof School

For Kids Who Love Math

- 11th: Classic Literature: The Essay
- 11th: Quantum Mechanics
- 11th: Medicinal Chemistry
- 11th: Anatomy & Physiology
- 11th: Linear Algebra
- 11th: US History & the American Essay
- 10th: Literary Arts: Graphic Narrative
- 10th: Generating Functions
- 10th: Calculus A, B, C & D
- 10th: Physics
- 10th: Chemistry
- 10th: Latin 2
- 9th: Latin 1
- 9th: Biology

4 Years of Advanced Math Curriculum

Year	Block 1	Block 2	Block 3	Block 4	Block 5
3	Graph Theory	Exp/Logs/Trig A	Geometry 3	Exp/Logs/Trig B	Number Theory 2
4	Discrete Probability	Differential Calculus	Integral Calculus	Series and Topics in Calculus	Number Theory 3
5	Combinatorics 2*	Linear Algebra A*	Linear Algebra B*	Mathematical Logic*	Cryptography*
6	Theory of Partitions*	Group Theory*	Statistics A / Multivariable Calculus A*	Statistics B / Multivariable Calculus B*	Special Relativity*

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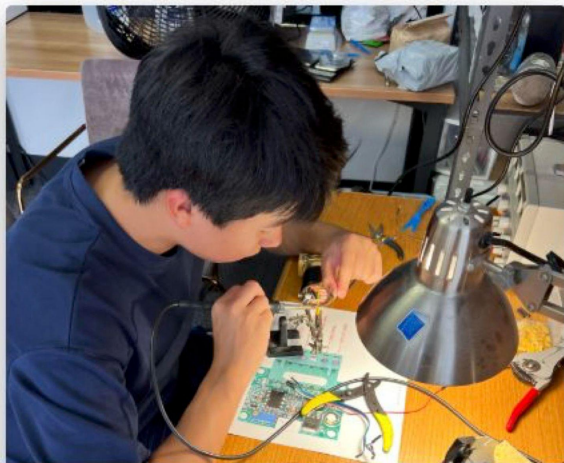


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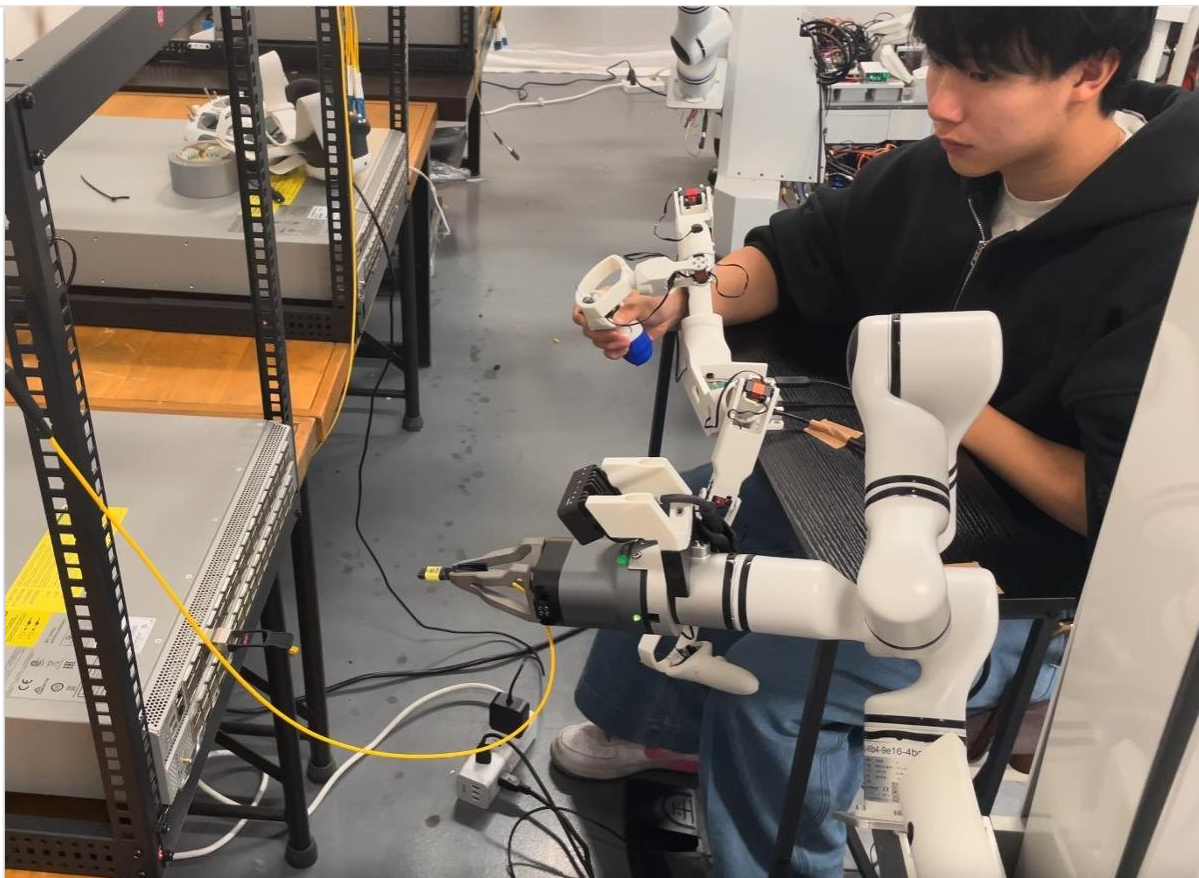
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watney robotics

autonomous physical infrastructure





Our zero-to-one journey: starting 🍓 hydroponics in Berkeley (circa Aug–Oct 2023).



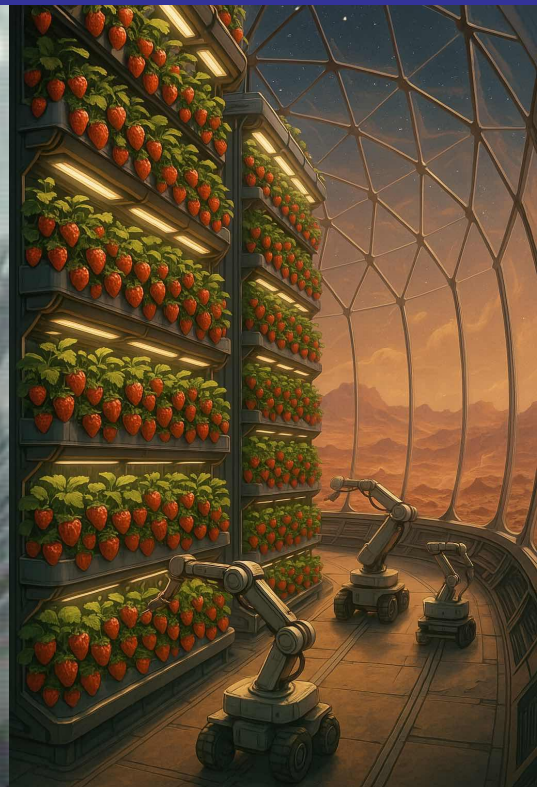
Heavy lifting all the way: from San Carlos home garage to new offices in Berkeley (circa July 2023).



🤖 Watney continuously learned to become a better 🍅 hydroponics farmer (circa Nov–Dec 2023).



Harvest on Mars



Grow from Earth





Ship Everywhere



Grow Here





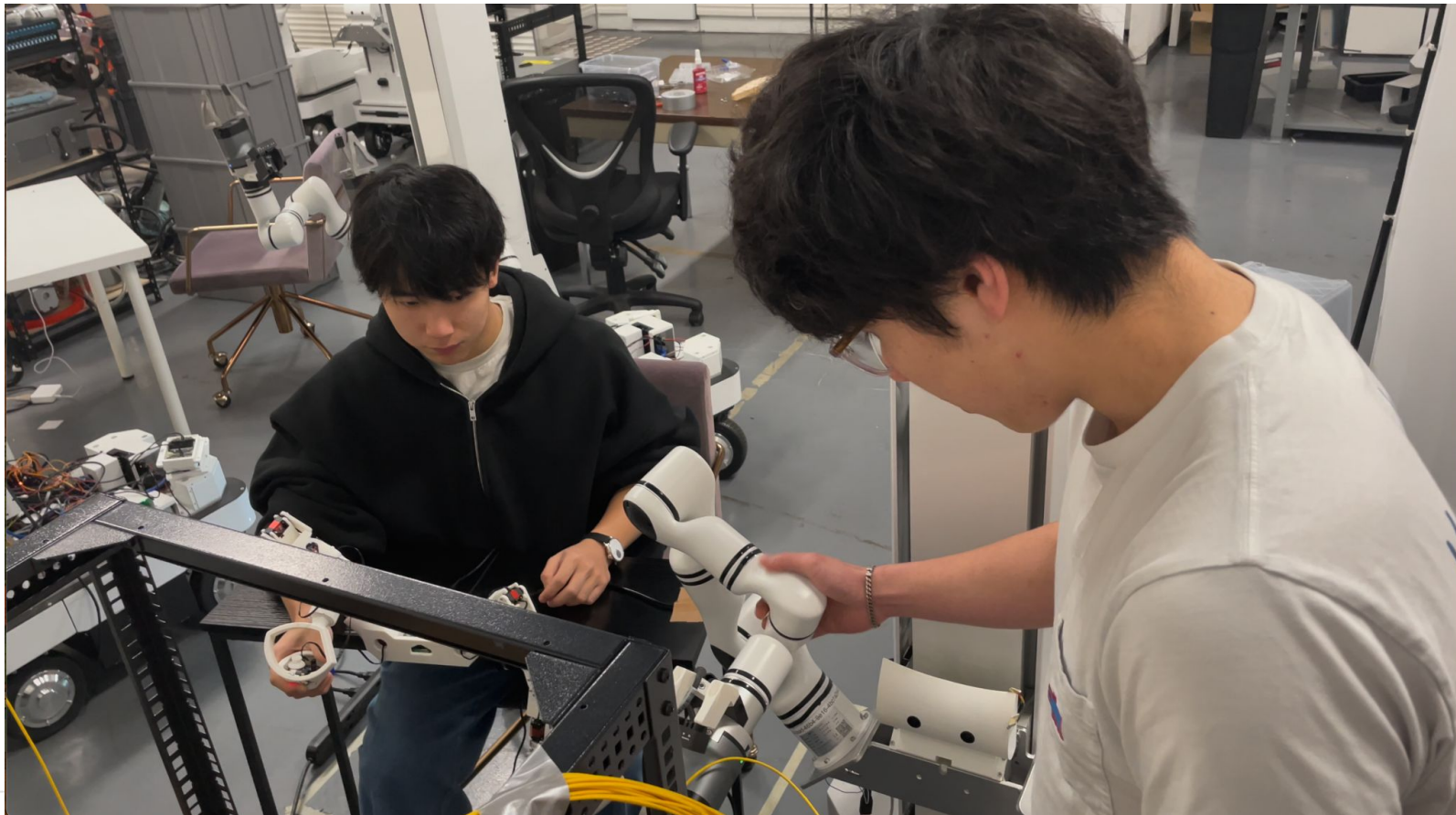
【[LINK](#) 🗣️】 Closing an ultra low-latency teleoperation loop at our Berkeley offices on Telegraph Avenue (circa Feb 14, 2024).



Watney making itself useful poolside and in the laundry room folding towels (circa Aug–Nov 2024).



(left) Meet Watney's creator my eldest brother (circa April 2025); (right) our new offices in the SF Mission District (circa Jun 2024).





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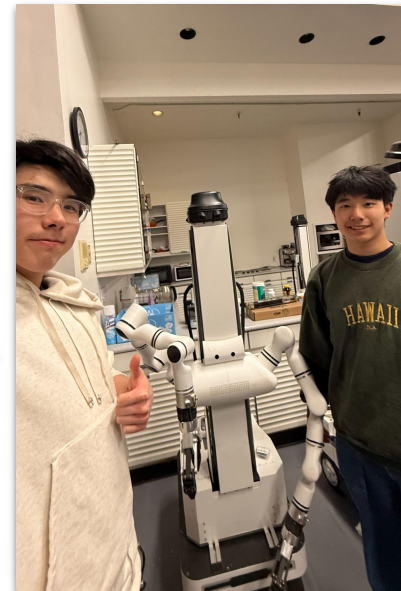
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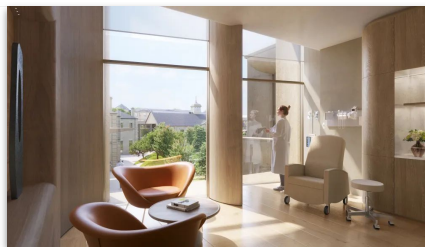
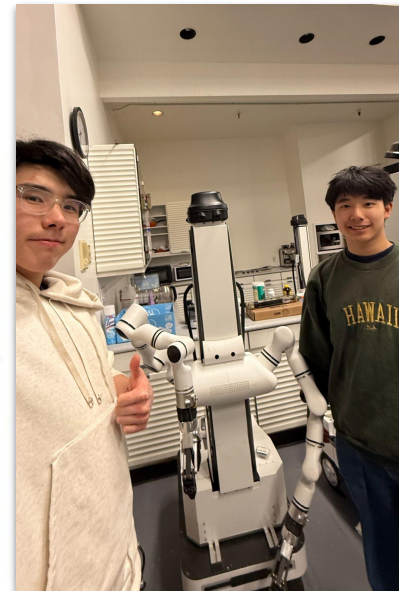
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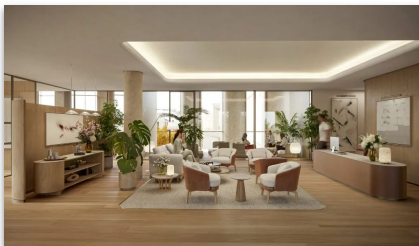
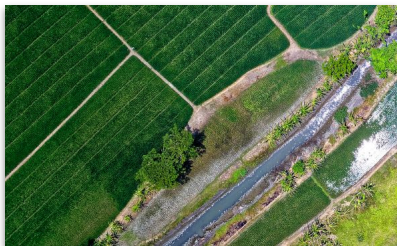
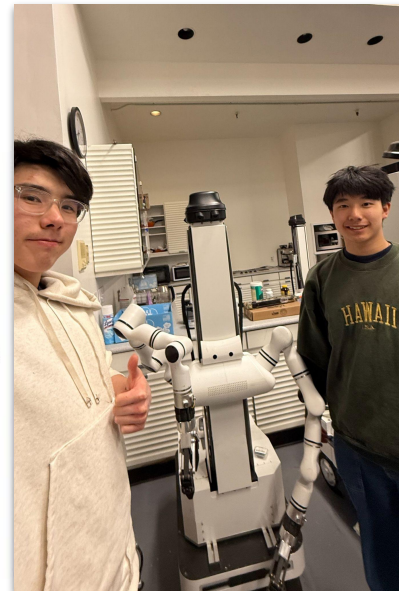
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