

Tentative Programme

	Day 1	Day 2	Day 3	Day 4
Theme	Artificial Intelligence & Robotics	Design & Sustainability	Science & Engineering	Culture
Time				
9:30 – 10:00	Welcoming and Introduction of the Programme	Design Thinking / Prototyping	Introduction to Material Science (e.g. metals, polymers)	Public Speaking / Story telling / American English Idioms
10:00 – 11:00	AI Fundamentals		Water Rocket (concepts of aerodynamics, stable loading configurations, and kinetics)	
11:00 – 12:30				
12:30 – 14:00	LUNCH			
14:00 – 15:00	Introduction to Robotics	Green Buildings, Carbon Footprints & Field Trip *	Bridge Design & Field Trip *	<u>Sharing Session:</u> Higher Education System in the US / Preparation for College Admission / How to Make the Most out of College Life
15:00 – 16:30				Closing Remarks + Presentation of Certificates
16:30 – 17:00				

* Activities to be supported by students and staff from THEi

Meet the Instructors



Tyler Okamoto

Mechanical Engineering
Class of 2019, M.S.

Hi! My name is Tyler Okamoto, and I'm a graduating master's student in Mechanical Engineering doing soft robotics research. I also received my bachelors at Caltech in MechE with an aerospace minor. For fun I enjoy rock climbing, photography, and traveling.

I'm really looking forward to meeting new people and exchanging cultures and stories with everyone!

Judy Jiajing Wang

Materials Science and Engineering / Computer Science
Class of 2019

Hi! I'm super excited about working with y'all for the summer. I have previously worked with high school students in Marrakech, Morocco, and taught my own introductory materials science curriculum. I am passionate about environmental sustainability and women's rights, and have been working on redesigning the vaginal speculum.

Professionally, I have worked in business analytics and management consulting.



Nancy Hung

Computer Science / Biomedical Engineering
Class of 2019

Hi! My name is Nancy Hung, and I'm a graduating senior studying Computer Science and Biomedical Engineering. You can find me on campus doing research in Computer Vision, running healthcare hackathons, or dancing. I'm an aspiring entrepreneur and will be working at a healthcare startup as an Associate Product Manager next year. Super excited to teach, travel, and meet everyone this summer!

Meet the Instructors



Gabriel Mintzer

Physics / Computer Science

Class of 2021

Hello! My name is Gabriel Mintzer, and I am a sophomore from the midwestern US majoring in physics and computer science and minoring in Chinese at MIT. Outside of academics, you can find me working on research in quantum information, as well as learning Chinese dance and coordinating software for the Harvard-MIT Math Tournament. I love exploring new places, especially by hiking and biking, and I look forward to teaching, traveling, and meeting all of you this summer!

Amber Bick

Mechanical Engineering

Class of 2021

Hello, my name is Amber Bick, and I'm a rising junior in Mechanical Engineering with a focus in either energy or product design. I am really active in dorm activities and also enjoy skiing and baking. I love exploring (physically, culturally, culinarily), and can't wait to begin this adventure with everyone.



Xiqing Wang

Mechanical Engineering with Product Design

Class of 2021

Hi, I'm Xiqing Wang, a sophomore studying Mechanical Engineering with Product Design. Outside of school, I enjoy coffee, food, dance, and movies. I love to explore and try new things, so I'm very excited for this summer and am looking forward to meeting everyone soon!



Meet the Instructors



Divya Kudapa

Biology
Class of 2021

Hi! My name is Divya Kudapa and I'm a sophomore majoring in biology at MIT. Outside of school, I do brain and cognitive science research, volunteer at a hospital, and am part of a few clubs. I love traveling, trying different culture's foods, and meeting new people, so I'm really excited for this summer!

Amber Zheng

Economics / Computer Science
Class of 2022

Hi! My name is Amber Zheng, and I'm a current first year who is probably gonna be an economics and computer science major. Outside of school, I spend most of my time dancing, but I'm also involved with a couple other groups on MIT's campus. I love meeting new people, and I'm looking forward to an amazing summer with everyone!



Information of the instructors has been provided by the MIT students, and there may be changes at a later stage due to students' availability and unforeseeable circumstances.