

Turing Summer Program 2024
 (This is the sample schedule, the actual schedule will post here later)

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	July 8	July 9	July 10	July 11	July 12
	Day 1 (Abel/Noman)	Day 2 (Shaunak)	Day 3 (Mehmet)	Day 4 (Hetvi)	Day 5 (Nathan)
9:30 AM - 11:00 AM	Student check-in Program Intro, Prashant/Li/Abel	(*)Lab: Getting Started with Python - Variables, Shaunak/Tanush/Samuel	(*)Lab: If-else condition, Mehmet/Tanush	(*)Lab: Loop, Hetvi/Tanush/Samuel	(*)Lab: Loop (cont) Nathan/Tanush/Samuel
11:00 AM - 12:00 PM	Icebreaker: Spaghetti Tower, Abel/Noman/Shاونak/Hetvi/Nathan/Tammy	(*)Lab: Getting Started with Python - I/O, Shaunak/Tanush/Samuel	Lecture: Intro to Health in CS Shiwei	(*)Scripted Lab: Step Count Hetvi/Tanush/Samuel	(*)Lab: Week 1 Recap Nathan/Tanush/Samuel
12:00 PM - 1:30 PM	Lunch	Lunch	Lunch	Lunch	Lunch
1:30 PM - 2:30 PM	Lecture: Introduction to CS, Prashant	Lecture: Self-driving Car Abel/Tanush	Show and Tell: Health app Shiwei	Show and Tell: Legged robots Donghyun	Lecture: Enabling Health with Wearables Ivan
2:30 PM - 3:30 PM	(*)Lab: Introduction to Computer Programming, Abel/Tanush/Samuel	Show and Tell: Self-driving Car Abel/Tanush	(*)Lab: If-else condition (cont'), Mehmet/Tanush/Samuel	(*)Scripted Lab: Step Count (cont) Heart Rate Hetvi/Tanush/Samuel	The Imitation Game Tanush/Samuel
3:30PM - 4:00 PM					
	July 15	July 16	July 17	July 18	July 19
	Day 1 (Marc Liberatore)	Day 2 (Wayne Burluson)	Day 3 (Dan Holcomb)	Day 4 (Brian Levine)	Day 5 (Abel/Tammy)
9:30 AM - 11:00 AM	Lecture: Introduction to Blockchain Scripted Lab: Hash function	Lab: Introduction to Cryptography	Lecture/Lab: Introduction to computer hardware (boolean logic, integrated circuits, fabrication)	Lab: Intro programming related to the scripted lab	Lecture: Unique Sources of Energy Friction, Temperature Difference Noman
11:00 AM - 11:30 PM		Scripted Lab: Block Ciphers	Program Tour: Makerspace 3D and Laserprinting	Lecture: Introduction to digital forensics (including breaks)	(*)Scripted Lab: Energy Data
11:30 PM - 12:00 PM					
12:00 PM - 1:30 PM	Lunch	Lunch	Lunch	Lunch	Lunch
1:30 PM - 2:30 PM	Lecture/Lab: Public Key Cryptography	Lecture: Embedded Security	Lecture/Lab: Introduction to hardware fingerprinting for privacy and authentication	Scripted Lab: Digital Forensics	(*)Scripted Lab: Energy Data Forecasting Tammy/Abel
2:30 PM - 3:30 PM		Program Tour: ECE Labs Lecture: Women in Cryptography	Lecture: Introduction to reverse engineering		Program Tour: Campus Walk Abel/Noman/Tammy
3:30PM - 4:00 PM	TBA	Lecture: Future Topics in Cryptography	Project Idea/Scope Discussion	Show and Tell: Forensics	
	July 22	July 23	July 24	July 25	July 24
	Day 1 (Security - Amir)	Day 2 (Adam/Jorge)	Day 3 (Adam)	Day 4 (Li/Abel)	Day 5 (Li/Abel)
9:30 AM - 11:00 AM	Lecture: Anonymous communications	(*)Lab: Lists/Arrays/Sets and Functions? Abel/Tanush/Samuel	(*)Lab: Functions Adam/Tanush	Computers for Creativity: Student Team Project Li/Abel Jorge/Mehmet/Tammy/Yasra	Computers for Creativity: Project Demo Li/Abel Jorge/Adam/Tammy/Yasra
11:00 AM - 11:30 PM	Lab: Anonymous communications	Lecture: Energy and Sustainability 1M	Lecture: Intro to RoboticsHao Zha		
11:30 PM - 12:00 PM					
12:00 PM - 1:30 PM	Lunch	Lunch	Lunch	Lunch	Lunch
1:30 PM - 2:30 PM	Lecture: Security and AI	Lecture: Intro to HCI/Camellia	Lecture: Energy and Sustainability 2Da	Computers for Creativity: Student Team Project	Student Hangout: Fun and Games Yasra/Jorge/Tammy/
2:30 PM - 3:30 PM	(*)Scripted Lab: Webscraping Weather Data Jorge/Tanush/Samuel	(*)Show and Tell: Cloud Platforms and electricityMap Jorge	Show and Tell: Mixed AR/VR Yasra		
3:30PM - 4:00 PM				Panel session: Life as a CS Undergraduate at UMASS Tammy/Tanush/Yasra	Program Debrief Prashant/All