

Ignite @ Michigan

Summer High School Research Camp

Week 1	Mon, Jun 29, 26	Tue, Jun 30, 26	Wed, Jul 1, 26	Thu, Jul 2, 26	Fri, Jul 3, 26	Sat, Jul 4, 26	Sun, Jul 5, 26		
7:00 - 9:00	Breakfast								
9:00	Assignments due								
9:00 - 10:00	Intro to Ignite	Breakout Sessions 1 (AI and Machine Learning for Cybersecurity) [AI4CYB]					4th of July Fireworks, Greenfield Village, Downtown Detroit, Eastern Village, River Walk	Ford Museum	
		Breakout Sessions 2 (Mathematical Foundation of Machine Learning) [MF4ML]							
10:00 - 10:30	Break								
10:30 - 11:30	(1) Research Mindset, Learning Styles & Intellectual Identity	Breakout 1 [AI4CYB]	(3) Academic Integrity, Ethics & Responsible AI Research	Breakout 1 [AI4CYB]	(4) From Curiosity to Research Questions				
		Breakout 2 [MF4ML]		Breakout 2 [MF4ML]					
11:30 - 13:00	Lunch								
13:00 - 14:30	(2) How Academia Works: Research Ecosystems & Expectations	Lab Sessions	Lab Sessions	Lab Sessions	Research Progress Check				
14:30 - 15:00	Break								
15:00	Assignments out								
15:00 - 15:45	Guest Speaker (MIDAS, etc)								
16:00 - 18:00	Social Activity (Natural museum, etc.)								
18:00 - 19:00	Dinner								
19:00 - 21:00	Study Time								

Week 2	Mon, Jul 6, 26	Tue, Jul 7, 26	Wed, Jul 8, 26	Thu, Jul 9, 26	Fri, Jul 10, 26	Sat, Jul 11, 26
7:00 - 9:00	Breakfast					
9:00	Assignments due					
9:00 - 10:00	Breakout Sessions 1 (AI and Machine Learning for Cybersecurity) [AI4CYB]				Proposal Presentations	
	Breakout Sessions 2 (Mathematical Foundation of Machine Learning) [MF4ML]					
10:00 - 10:30	Break					
10:30 - 11:30	(5) Reading Research Papers & Communicating Technical Ideas	(6) Research Methodologies in AI, ML & Mathematics	(7) Literature Survey, Positioning & Next-Step Research Planning	Research Progress Check	Proposal Presentations	
11:30 - 13:00	Lunch					
13:00 - 14:30	Lab Sessions	Lab Sessions	Lab Sessions	Lab Sessions	Proposal Presentations	
14:30 - 15:00	Break					
15:00	Assignment out					
15:00 - 15:45	Guest Speaker				Proposal Presentations	
16:00 - 18:00	Social Activity					
18:00					Proposals Due	
18:00 - 19:00	Dinner				Ignite Dinner	
19:00 - 21:00	Study Time				Farewell Party	