hillsHacks Schedule

Time	Event		
11:00 11:45	**Intro to Web Animations** Kai Yang	**Machine Learning and Algorithmic Bias** Sonia Nikhil	Coding Challenge
11:45 12:30	**Quick Sorting Solutions** Keaton Lee	**Introduction to C** Ethan Rajan	Coding Challenge
12:30 1:00	**Lunch / Coding Challenge**		
1:00 1:45	**Java Basics** Hansil Patel	**Building APIs** Kartikeya Pant	Coding Challenge
1:45 2:30	**Foundations of Computer Science** Jared Pincus	Coding Challenge	
2:30 3:00	Coding Challenge		
3:00 3:30	Awards Ceremony and Closing		

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Workshop Descriptions

Intro to Web Animations - Kai Yang

In this introductory workshop, you'll discover how to create simple and stunning animations using vanilla CSS and JavaScript. We'll cover keyframes, native features, transitions, and other animation properties to help bring your websites to life with smooth, engaging effects..

Machine Learning and Algorithmic Bias - Sonia Nikhil

In this workshop you will learn about machine learning, its applications, and demonstrations. Next, we will learn about algorithmic bias, how to identify it, and learn how to prevent it in data. Finally, we will have discussions about algorithmic bias and a collaborative activity.

Quick Sorting Solutions - Keaton Lee

In this workshop you will learn multiple different sorting algorithms. students will learn the ins and outs of sorts as simple as bubble sort to as complex as heap sort. This class gives a great tasting of sorting algorithms for future programmers.

Introduction to C - Ethan Rajan

Introduction to the basics of the C Programming language.

Introduction to Java - Hansil Patel

This workshop will introduce the Java language and will cover data types, variables, arrays, loops, if-statements, as well as giving a couple of simple projects, like coding a basic calculator and coding a guessing game.

Building APIs - Kartikeya Pant

This workshop is about creating seamless bridges between software applications, enabling them to talk, share data, and unlock powerful new features. Whether it's powering mobile apps, integrating third-party services, or automating workflows, APIs are the invisible engines behind modern tech. Learning how to build them opens doors to scalable, efficient, and innovative development—perfect for anyone looking to level up in the digital world.

Foundations of Computer Science - Jared Pincus

Computer science is, fundamentally, a toolset and mindset for modeling and solving problems. This workshop will offer a broad overview of the computational and logical foundations of theoretical computer science. Get an early look at principles which are taught in every undergraduate CS curriculum, and learn what it means to think like a computer scientist!