



CODE**RED** VOYAGE
NOV 2020



Schedule

NOV 7TH, 2020

Registration and Set Up	8:00 am-10:00 am
Opening Ceremony	10:00 am-11:00 am
Challenges Released	10:50 am
Start Competition	11:00 am
Consuming Web Based APIs	12:00 pm - 1:30 pm
Build & Deploy Website / Lunch	2:00 pm - 3:30 pm
Smash Tournament	3:00 pm - 5:00 pm
HackerRank Workshop	4:00 pm - 5:30 pm
Intro to Cryptography using Python	6:00 pm - 7:30 pm
Dinner / Basics of Blockchain	8:00 pm - 9:30 pm
Bob Ross Paint Off	9:30 pm - 10:00 pm
Competitive Gaming	11:00 pm - 1:00 am



NOV 8TH, 2020

Networking	8:00 am – 9:00 am
End Competition	11:00 am
Closing Remarks	1:30 am – 12:30 pm
Demo	12:40pm
Judging	1:00 pm
Closing Ceremony	3:00pm

Workshops

Consuming Web Based APIs

- What is a Web Based API? Why do we consume them? Join Engineers from Bill.com, as they dive into consuming Web Based APIs and strategies for getting an API integration up and running quickly.



Build and Deploy Your First Website

- During this workshop, you'll teach participants the structure and syntax of basic HTML and CSS. Participants will receive a skeleton of a portfolio website and will update the HTML to include information about themselves and edit the CSS to style and position elements on their page! Then, they'll deploy their new website.
- Installing Node on your Computer
- Participants will need to install Node locally to run the deployment tool they'll be using. It will be helpful to you if you have installed Node first so that you can help them through the process.



HackerRank

Want to improve your technical interview skills, or challenge yourself as a programmer? Join us at 4:00pm - 5:30 pm for our HackerRank Workshop where we'll work through a few problems and share interview advice.

Outline:

- Introduction
- Interview Advice:
- Application cycle, hiring process, interviewing, what to expect
- Start HackerRank Tournament
- Brief overviews of each question
- Tournament time
- Discuss solutions
- Questions

Workshops

Intro to Cryptography using Python

- Cryptographic techniques are used to ensure secrecy and integrity of data in the presence of an adversary. Based on the security needs and the threats involved, various cryptographic methods such as symmetric key cryptography or public key cryptography can be used during transportation and storage of the data.

Basics of Blockchain with Horizen

- Learn all about blockchain, cryptocurrency, and more!
- In this workshop, participants will learn about the world of blockchains, sidechains, and cryptocurrency by building a web application game where they can bet ZEN, a cryptocurrency created by Horizen.
- While no background knowledge is required, familiarity with any scripted language (C, Java, etc) will be beneficial for participation in this workshop.

