

# Choose one of six tracks:

## Building Games with Scratch Beginner

Develop strategic thinking in computer science by working through challenges to build persistence and confidence. Learn about the design process, use creativity, and learn to use block-based code (e.g. Scratch) to build a video game. Computer or Chromebook is required (no iPad).

## Web Dev 101 Beginner

Learn the basics of HTML and CSS

## Build Your Own Chatbot Beginner/Intermediate

Coding is creating! Build your chat bot by learning python basics, tricks, and helpful hints to help you create something completely your own. You will also see advanced examples of how to incorporate randomness and machine learning to add fun, adventure, and endless conversations.

## Image Processing Intermediate

Learn how to generate, modify, and analyze images (using a programming language). Generate images randomly, programmatically, and from existing data (like sound files - .mp3). Modify images for artistic purposes and analyze them to answer questions (such as “what colors occur most often?” and “how many times does a certain pattern occur?”).

## Ask a Magic 8-Ball How the Internet Works Advanced

Learn how the internet works at various levels by creating several Magic 8-ball applications. Each application will use a different level of the internet stack to achieve the goal of replying to a question asked with an answer from a Magic 8-ball.

## Loop Wars Advanced

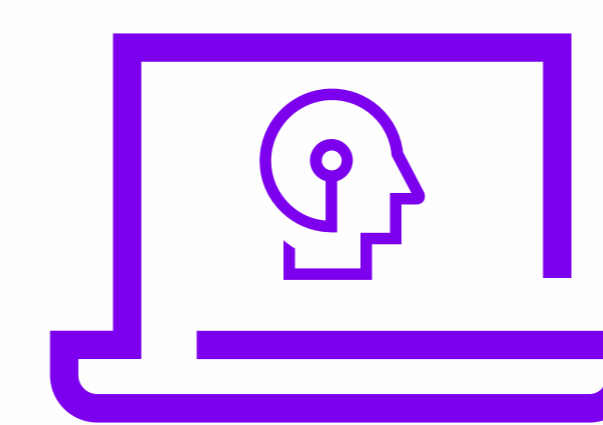
Get familiar with Olive Helps, our cybernetics application that turns average healthcare workers into super human healthcare workers. This course is focused on using the loop development kit in javascript to unleash the power of the force with the Star Wars API. It includes an intro into Olive Helps and contains a 3 part series to guide hackathon participants through developing their very own loops on this powerful platform.



HERO Code Camp is an event co-hosted by Olive and HER Academy for girls currently in **3rd-12th grade**. The event is designed to give beginner students an introduction to STEM and those with a more advanced background additional opportunity to learn and grow their skills.

The event is a full day program on Saturday with additional time for the students to show off their work on Sunday.

**WHEN:** Saturday February 26, 2022 - Sunday February 27, 2022



To register (\$5) or to learn more visit:

<https://theheracademy.org/hero-all-girl-code-camp-22/>

This activity is not sponsored by the Upper Arlington City School District

\* Registration open until Feb 18th, 2022

\*\* Register by Feb 1, 2022 to guarantee receiving your welcome box before the event