

Who/what is Ada?

- Ada is a cyber security educational animatronic robot
- Ada will be used as a fun interactive way to teach people about good cyber security practices, how to keep yourself safe while online, and show the new trends in the cyber security field.

Why name it Ada?

- Because this robot is basically a computer teaching people about computer safety, and speaks with a female voice, we found it fitting to name it after the first woman in computer science – Ada Lovelace.

What can Ada do?

- Ada can sense a person approaching her and will react by greeting them
- Users can then choose from one of 8 different cyber security related activities:
  - Show an article
  - Take a quiz
  - Tell a joke
  - Take and tweet a picture with Ada
  - Read a tweet
  - See if you have been hacked
  - Read an RSS feed
  - Say a tip
- You can also start a conversation with Ada by pressing the microphone button, and she answers back!

Where did this idea come from?

- This idea began as a term project for the Intro to Computer Security course here at UNH, with the original plans having much fewer features. With a little help and a lot of patience, Ada has grown into the fully functional robot she is today.

How does Ada work?

- Ada's brain is an android tablet running a custom application. The application manages her interaction with people, the things she says, and the way she moves, just like a real brain.
- The app forms a Bluetooth connection to the hardware to control its head movements and read its motion sensor.
- Ada gets all her knowledge on cyber security from her very own Twitter account (@Ada\_SecuroBot) which is updated by the brainiacs of the UNH Cyber Forensics, Research and Education Group (UNHcFREG) with tips, articles, RSS feeds, retweets, jokes, and more.
- Ada is an artificially intelligent robot, capable of carrying out a conversation with someone by utilizing an artificial intelligence API, similar to Apple's <sup>™</sup> Siri.
- Ada's body was designed in CAD with several parts that were 3D printed.

How can I get an Ada?

- All of the CAD, software, documentation, and bill of materials for this project will soon be released open source for all who are interested. Anyone and everyone will be able to download the entire Ada project completely free.

What does the future look like for Ada?

- It is our hope that schools and universities will take on this project, build it with their students, using it as an educational tool both during the build process and long after.
- We hope to collaborate with other schools and universities to share statistics from quizzes to be able to better assess where improvements should be made in cyber security education in the future.
- Connect with schools to share articles, RSS feeds, tips and more.
- Take Ada on the road to local schools to educate young students on cyber security in a fun and engaging way.
- Establish a developer base of talented project contributors to make improvements to the system and its functionalities.