**Working as an information security engineer**

**Emily** If you are still trying to figure out what's next after high school. Well, turns out that a princess really isn't that farfetched. Maggie really spent the day with a self-proclaimed security princess more commonly known as an information security engineer who is using her high rank to keep you safe when it comes to computer security.

**Maggie** Hey, Parisa, not to go in! **Parisa** Hey!

**Maggie** Thanks so much for hanging with me today! I think you're probably the only person in the entire world that has the title of security princess. **Parisa** It's a self-appointed title.

**Maggie** Well, anywhere else you'd be known as information security engineer. Right? **Parisa** Yes.

**Maggie** What’s the cliff notes version of a job?

**Parisa** A lot of software engineers will build software. And information security engineers will usually look for sort of break software or find the holes in the software. So we can actually make it more secure. Really we try to put on our black hats which are kind of like our nefarious, you know, maybe criminal hat and find holes but that actually fake some.

**Maggie** Sounds so cool so let's go check out what you do every day. So what exactly is hacking?

**Parisa** So hacking to me means finding ways to get code or a software program to do something that wasn't initially intended. One of the cool things about being a hacker or being an engineer is really all you need is this internet connection to work.

**Maggie** So you know anyway. **Parisa** Exactly, exactly! So I'm going to bring up some code.

**Maggie** Oh, that’s like gibberish to me!

**Parisa** Yeah. One of the first things you have to do as a hacker is to actually learn how to program similar to learning a different kind of foreign language. I think in some ways it's actually easier because we use English words in programming. So I was wondering if you please join me. I have a meeting with the people in my team.

**Maggie** Cool again! **Parisa** I want to show everyone attackers can make things look really convincing.

**Parisa’s team member** We actually are effectively warning people in there.

**Parisa’s team member** I definitely like this feature.

**Maggie** What are some of the biggest dangers you think out there?

**Parisa** I think about what data is important to me. My email I am part of social networking sites and I'm going to share images with friends or messages with friends and all of that stuff but I want the world to know about.

**Maggie (**Scar?) scare when you say that because I mean it can really hurt your life.

**Parisa’s team member** There's a lot of dangerous stuff out there.

**Maggie** You're kind of like Internet superheroes.

**Parisa** Yeah geeks are our today's superheroes. They're saving the world.

**Maggie** Do you think that the job of the information security engineers just going to get more and more important?

**Parisa** Security is in part technology and in part code. But it's also thinking about humans and how they use software. It's a problem that we're going to need a lot of people working on.

**Maggie** For students that want become the next security princess or security prince what kind of stuffs should they be doing now in high school and middle school?

**Parisa** Math is important. I think learning how to program is is also something that's way more accessible now than it was when I was in school. You can learn how to program independently and once you do that you can actually start working on projects and all the information is available publicly. Google it.