

Careers Behind the Code: Amazon AI Tour Discussion Questions (Optional)



Use these discussion prompts after each tour stop or after your students take the tour

Stop 0: Introduction to AI

- Think about the last time an app seemed to “know” what you wanted – a video recommendation, autocomplete, or a face unlock. What did it get right, and what did it get wrong?
- If you could build an AI to help with one thing in your daily life, what would it do?
- The tour describes AI as a system that “learns from data.” What happens if the data it learns from is incomplete or unfair?
- How is the way AI learns similar to – and different from – the way you learn a new skill?
- Discuss as a class: AI is already all around us. Where have you noticed it today without even thinking about it?

Stop 1: The Building Blocks of AI

- If an AI is only as good as the data it learns from, why does it matter who collects and labels that data?
- Think of a “dataset” from your own life – your photos, playlists, or texts. What patterns could an AI find in it?
- Why does AI need such powerful hardware, and how might that affect who gets to build AI?
- The tour compared data to fuel, hardware to muscle, and the model to the brain. Can you think of another analogy for how they work together?

Stop 2: Training AI

- Have you ever gotten better at something – a game, a sport, an instrument – by trying, failing, and adjusting? How is that like reinforcement learning?
- Why is it useful to let an AI practice in a simulation before it acts in the real world?
- What are the risks of an AI that only learns to “win”? Could it learn the wrong lesson?
- How is training an AI model similar to how a coach or teacher helps you improve?

Stop 3: Designing AI for People

- Think of an app or website that was confusing to use. What one change would have made it clearer?
- Why might a powerful AI still “fail” if its design is bad?
- Designers think about visual design, interaction design, and information design. Pick an app and



describe one example of each.

- Who should designers keep in mind when building an AI product – and who might get left out if they don't?

Stop 4: AI in Action

- What is a repetitive task you would happily hand off to an AI agent? What is one you would NOT trust it with, and why?
- Why does the way you write a prompt change what the AI gives back? Try describing a “good” prompt.
- If automation takes over more routine work, which human skills become more valuable?
- Where is the line between an AI that helps you and an AI that does the work for you? Does it matter?

Stop 5: Responsible AI

- Should there be rules – “guardrails” – for what an AI is allowed to do? Who should decide them?
- Why do the ethics of AI matter even when the technology works perfectly?
- AI systems use a lot of energy. How should companies balance building powerful AI with sustainability?
- If you were on a team building an AI tool, what is one rule you would insist on to keep it fair and safe

{ Thank you for joining us on an Amazon Future Engineer Career Tour! }

