AMAZON FIELD TRIP

TOTAL HOURS : 21 hrs (7 members, 3 hours)

SUMMARY

We went out to the Amazon headquarters in Austin at the Domain. There, they set up a presentation about the various robotic mechanisms utilized in Amazon factories. We had the opportunity to learn about the different types of engineers that work for Amazon, as well as get a deeper look into the workings of Artificial intelligence.

WHO	WHAT	WHEN	WHERE	WHY
Seven of our members, Amazon, and other members from Viperbots	Learning about Amazon, AI, and robots	December 4th	Amazon at the Domain in Austin, TX	Learn more about STEM careers and the workings of Amazon!

ACTIVITIES

PRESENTATION

Two engineers from Amazon prepared a presentation in which they told us about what it is like working alongside robots in the Amazon Warehouse. They showed us their Amazon Robots / Kiva Systems, that were designed to increase efficiency and map their way around the warehouse. We learned about machine learning and how they applied this to Amazon Alexa.

PRODUCT DESIGN ACTIVITY

We were given the task of creating a new product that applied the concepts of machine learning. This activity gave us the opportunity to think creatively and share our ideas with our peers.

OUTCOME

EXPOSURE TO CAREERS IN STEM

We learned about different types of STEM careers such as computer scientists, user experience, civil engineers, mechanical engineers, and many more. This exposure allowed us to think about different careers that we find appealing.

LEARNING: ROBOTS, DESIGN PROCESS, A.I.

We now have somewhat of a better understanding of how Alexa works. We learned about machine learning and the Amazon cloud of information.

POST-EVENT REFLECTION

- *"I learned the different features and teams used to build the Alexa."* **Abby Pomerantz**
- *"I learned that I could combine my love for art and STEM with engineering."* **Angela Phan**
- *"I learned about implementing safety precautions and how to use teamwork to reach your goals."* **Nick Chan**
- *"I learned how to use AI navigation."* **Will Gunawan**
- *"It was cool to be able to understand how Alexa functions, and how they trained it to recognize and understand human voices."* **Sam Kim**
- *"I learned about the machine learning process and how Amazon implements it into their robots in the warehouse."* **Arya Anantula**
- *"I learned how to apply machine learning to build products.."* **Julian Dholakia**