HE XU

University of Michigan-Shanghai Jiao Tong University Joint Institute

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PERSONAL INFORMATION

Name:	HE XU	Birthday:	26/06/2002
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EDUCATION

2020-2024   **Shanghai Jiao Tong University**   Shanghai

BS honors Electrical and Computer Engineering   GPA 3.384/4.0

Relevant Coursework: Introduction to Engineering; Introduction to Machine Learning; Introduction to Logic Design; Bayesian Analysis; Data Structure and Algorithms

SELECTED RESEARCH PROJECTS

2021   APOLLO

- A game demo made in the course: Introduction to Engineering. It's a game written in Elm and shown on the web browsers. It's a game improved on the basis of breakout game.
- Finished the game in four-member group. My work was to build the frame of the whole game, write the function of the motions and debug for other group mates.

2021   Memoria

- A game demo that the same as Apollo, but it's a kind of puzzle game.
- Finished this game in four-member group. My work is to design small puzzles of the game and design the basic logic of the game and debug for the whole game.
- It's a huge project with more than 10 thousands lines of codes. I learn how to produce specific interfaces for other member to work on the same project; how to split it into several parts is hard and we succeeded; how to use gitea.

2022   Comparison of Deep Convolutional Generative Adversarial Network (DCGAN) results on different objects based on CIFAR-10 dataset

- A project made in the course: Introduction to Machine Learning. This project find the different performance of DCGAN on different categories.
- Finished the project in two-member group. My work is to build the DCGAN network and the examine network.

INTERNSHIP

Summer 2018	**Sharetome Technology Ltd.**	**Shanghai**
	- Participated in the front-end development.	
Spring	**Microsoft**	**Shanghai**

2022   **-** DevDiv China C+AI

LEADERSHIP EXPERIENCE & REWARDS

2021   Monitor of the Summer Social Practice Team.

2021   Monitor of the game team Memoria

2021   Best Visual Design for Apollo

2021   Best Visual Design for Memoria

2021   Best Innovation Award for Memoria

2021   Military outstanding individuals of Shanghai JiaoTong University in 2021.

2023   Pu Yuan Future Scholar