

XINYUE LIANG

(+1) 608-320-1401 | xliang77@wisc.edu | 110 N Bedford St, 53703 Madison, WI, USA

GitHub: <https://github.com/LETOSKYWALKER> (Please contact me for accessing private repos)

EDUCATION

University of Wisconsin-Madison

Madison, WI

Bachelor of Science in Computer Sciences, with a minor in Game Design

09/2019 – 05/2023

- GPA: 3.663/4.0, Dean's List Spring 2020, Fall 2020, Spring 2021

GAME DESIGN/DEVELOPMENT PROJECTS

Calculus Adventure

- Developed a Pokémon style text-based adventure game that aims to teach high school students AP Calculus AB with interactive dialogues and quizzes
- Utilized Twine, an open-source tool for interactive storytelling, for game development and independently designed all pixel art style artworks using Piskel & Photoshop, including game scenes, items, monsters and multiple attack effects

Game AI Development – Board Game Teeko2

- Used Python to develop Teeko2, an upgraded version of Teeko with new rules that four same colored markers from a diamond shape is also a win condition
- Implemented Minmax to evaluate opponent's move and make optimal decisions accordingly, the game AI I developed can 100% beat professor's example AI in the game

Legacy and Mutant – A Card Battle Game

- Designed a multiplayer strategy card game that teaches genetics knowledge to elementary school students while featuring game experience similar to Yu-Gi-Oh! using a series of dominant and recessive genes cards
- Developed the program using C# and Unity2D, built multiplayer capability using Mirror, designed pixel art style artworks using Piskel & Photoshop

INTERNSHIP

Baidu, Inc. (<https://www.baidu.com>)

Beijing, China

Data and Front-End Developing Intern

06/2021 – 08/2021

- Developed the backend of a data tool that retrieves matching data from Elastic Search and MySQL database based on user input using Python
- Restructured the data for building knowledge graph and data visualization
- Created and added skeleton based 2D Rive Animation into an Android application interface which belongs to Baidu AI Cloud department

Sinosoft Co., Ltd. (<http://www.sinosoft.com.cn>)

Shenzhen, China

Demand and Testing Intern

12/2020 – 01/2021

- Negotiated with customers from Emtek (Shenzhen) Co., Ltd. about their demands and updated product requirement documents and testing flow charts based on meetings minutes
- Tested the frontend of the order number based data management system Sinosoft developed for Emtek

SKILLS

C | C# | Python | Java | Unity | ZBrush & Rhino 3D | Photoshop, Premiere & After Effects | Piano & Game Scoring