Ruichen Liu

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EDUCATION

Boston University — Boston, MA
B.A. in Computer Science; GPA: 3.85 — Jan. 2023 - May. 2025

Purdue University — West Lafayette, IN
B.S. in Computer Science & B.A. in Sound Design; GPA: 3.90; Dean's List & Semester Honors — Aug. 2021 - Dec. 2022

EXPERIENCE

Tencent Game Marketing and User Experience Research — Online
Researcher — Nov. 2022 - Apr. 2023

- One of the 30 students selected from 1000 applications to participate in this program about game marketing and user experience research
- Perform game player survey, analyze and research the new trend in the game market
- Write an in-depth report on a new trend in the entertainment industry twice a week
- Attend monthly team research program, focusing on a more specific topic, present the research outcome to the mentors and relating staff members from Tencent
- Authored an article discussing the latest trends among Chinese youth, which Tencent has published
- The research lasts 6 months, and work 12 hours per week

Self Taught Game Developer — Online
Programmer, Technical Artist — May 2022 - Present

- Self-taught game engine Unity, Unity API and coding language C# by myself, currently learning Unreal engine
- Served as the programmer for 5 indie games and Lead Programmer for 2 of them, responsible for writing all of the codes in C#, communicate with the designer and artists to collect their needs and adjust the code, testing and documenting bugs
- Self-taught Blender and animator in Unity
- Served as the technical artist for 2 indie games, transform 2D art resources into animation, adding skeleton to 3D models, designing particle system like cloud and wind
- 3 of them received awards from multiple national game development competitions

EXPERIENCE

Indie Game: Stoneman's Adventure (Available on Steam) — Online
Audio Programmer — May 2022 - Aug. 2022

- Responsible for all audio related codes
- Worked closely with the composer, used Wwise to create interactive audio playing algorithms
- Mixed and created sound effects

Personal Project: resumeGPT — Online
Full Stack Programmer — Jul. 2023

- An AI application that generates resume to match the job position
- Modified privateGPT to let the LLM read users previous experiences and projects
- The LLM will decide the most relevant experiences and projects, and add them to the resume
- Using Python to automatically generate a Latex resume

AWARDS

- 3rd Place for the Ultimate Best Game Award, China University Student Game Awards
- 1st Place for the Best Creativity Award, China University Student Game Awards