

Kyle Zheng

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Education

Purdue University, West Lafayette

May 2023

- Bachelor of Science in Computer Science
- *Relevant Coursework* - Data Structures & Algorithms, Competitive Programming
- GPA: 3.94/4.00

Experience

Purdue Cognitive Learning Lab - Software Developer

May 2020 - Present

- Collaborate with researchers to develop browser based psychology experiments
- Documenting and maintaining mature full stack applications
- Using Javascript libraries such as Preact, jQuery, jsPsych

Projects

Movielo - Rank movies using a modified Elo rating system

Mar 2020

- Developed web app to allow friends to rank movies objectively
- Using React and Material UI to create elegant and user friendly frontend
- Realtime adding and voting actions with Google Cloud (Firestore, Functions)

Purdue Buildings - Indoor navigation using Purdue floor layouts

Sept 2019

- Worked as team on web app that placed 1st at Purdue's Hello World Hackathon
- Help implement pathfinding algorithm using graph representation of floorplans (Javascript)
- Create secondary application to increase speed of integrating new floor plans

The Grapevine - Decentralized messaging app

Oct 2019

- Mobile Android app (Java, Kotlin)
- Using Bluetooth LE for proximity-based message propagation

Rocket Run - Space themed endless runner game

Nov 2018

- Mobile game using Unity Engine (C#)
- Custom graphics (Inkscape) and 3d models/animation (Blender)

Activities

KGG - Inclusive gaming community

Oct 2019 - Present

- Founding member and web developer
- www.kgg.gg

Griffon Guild - Griffon Residence Hall Organization

Sept 2020 - Present

- Officer role as Representative to Residence Hall Senate
- Collaborate with all residence halls to solve issues, host events, and engage with students