Kyle Zheng

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github.com/zhengkyl

Education

Purdue University, *West Lafayette*　　　　　　　　　　　　　　　*May 2023*
- ○ Bachelor of Science in Computer Science
- ○ *Relevant Coursework* - Data Structures & Algorithms, Competitive Programming

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 app in 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