

# Kyle Zheng

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github.com/zhengkyl

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## Education

**Purdue University, West Lafayette, IN**

*May 2023*

Bachelor of Science in Computer Science and Mathematics, Minor in Linguistics

GPA: 3.94/4.00

Relevant Coursework: Data Structures & Algorithms, Competitive Programming

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## Experience

**Purdue Cognition and Learning Laboratory - Web Programmer**

*May 2020 - Present*

Collaborate with psychology researchers to develop custom online experiments

Create clean experiment experiences using Javascript libraries (jQuery, jsPsych, Preact)

Host experiments and maintain data using MongoDB, NGINX, Node.js

Document existing development process to preserve knowledge and guide future programmers

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## Projects

**Movielo - Ranking movies using chess-inspired ELO rating system**

*Mar 2020*

Choose between two movies and update rankings based on expected outcomes

Store and update movie ratings and data in realtime using Firebase (Firestore, Functions)

Single-page web app built using React and styled with Material UI framework

**FarmAssist - Purdue AITP Computing Day Challenge**

*Oct 2020*

Worked as team to create web-based dashboard and simulator for combine harvester data

Used Leaflet.js and Chart.js libraries to create appealing data visualizations

Submission placed 1st in John Deere Coding Challenge category

**Purdue Buildings - 1st Place at Purdue Hello World Hackathon**

*Sept 2019*

Collaborate with new teammates on indoor navigation web app using React frontend

Help convert publicly available floorplans into graph structure for pathfinding algorithms

Enhanced floorplan conversion functionality using Leaflet.js library

**KGG Website - Homepage for KGG organization live at [www.kgg.gg](http://www.kgg.gg)**

*Sept 2020*

Custom designed website to fit brand aesthetics using custom vector art

Performant static website built using GatsbyJS and hosted on Netlify

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## Activities

**Residence Hall Association - Griffin Representative to Residence Hall Senate**

*Sept 2019*

Collaborate with all residence halls to solve issues, host events, and engage with students