

# ALLEN J HUANG

<https://allenjhuang.github.io/>

## EDUCATION

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### Oregon State University

BS Computer Science *GPA: 3.96*

Corvallis, OR  
Mar 2020 - Mar 2022

### University of Illinois at Urbana-Champaign

BS Earth, Society and Environmental Sustainability

Urbana, IL

## SKILLS

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Programming:	Python, JavaScript, SQL, C, PHP, Bash
Markup/Config:	JSON, YAML, TOML, XML, HTML, CSS, HCL
Platforms:	Linux, Windows, Docker
Frameworks/Libraries:	Selenium, Flask, Express.js
Tools:	Git, GDB, valgrind

## PROJECTS

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**Portfolio Viz** *JavaScript, Python, Google Cloud Functions* <https://kzhao32.github.io/portfolio-viz/>  
Create a stock map from csv text to help quickly visualize changes in portfolio worth. Originally created as an entry to a finance-themed hackathon and later improved upon. Worked on all parts of the project with one other teammate through pair programming.

**Wikiquiz** *Crystal, JavaScript, Svelte, Python, FastAPI, Redis, Terraform, Docker, Heroku*  
<https://wikiquiz.vercel.app/>  
Generate a short quiz from a wiki URL. Worked on all but the image fetching service of the microservices-oriented project alone.

### CARboncycle *Python, Panel, Google Maps API*

Estimate CO2 emissions based on a typical work week's commute. Created as an entry to a sustainability-themed hackathon. Worked on all parts of the project with one other teammate asynchronously.

### Just Get Me By *Python, REST API, PySimpleGUI*

Gather coursework and scores from a user's Canvas account and calculate minimum scores needed on upcoming assignments in order to reach a user-specified target grade. Created as an entry to an education-themed hackathon. Worked mainly on the data retrieval and processing part of the project with two other teammates asynchronously.

### Top Reddit Posts *Python, PostgreSQL, Google Cloud SQL, Google Compute Engine, Express.js*

Allow the user to view a compilation of posts that made it to the top for select subreddits. Worked on all aspects of the project with one other teammate through pair programming.

## WORK EXPERIENCE

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### Software Engineer Intern

*Klaviyo*

Boston, MA  
Jun 2021 - Aug 2021

- Migrate Django server-side rendered template to client-side rendered React components.
- Create new API endpoints on the back end to retrieve data from for the front end.
- Write tests validating function outputs to be run on local docker dev setup and CI/CD.

### Digital Marketing Consultant

*Oracle*

Chicago, IL  
Oct 2017 - Apr 2021

- Worked towards mutually agreeable project requirements between internal and external teams.
- Streamlined automated campaign build process for a major client, reducing build time by 33%.
- Revised a program for a client's key marketing tactic, providing deeper insight for strategists.
- Implemented a laborsaving approach to dynamic campaigns by a created layer of abstraction.
- Coordinated efforts between team members to get deliverables out efficiently.
- Migrated a multitude of client marketing campaigns to the Responsys platform.

## INTERESTS

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Learning, automation, microservices, video games, manga, music, dance, volunteering