

ALLEN J HUANG

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

EDUCATION

Oregon State University

BS Computer Science *GPA: 3.94*

Corvallis, OR
Mar 2020 - Mar 2022

University of Illinois at Urbana-Champaign

BS Earth, Society and Environmental Sustainability

Urbana, IL

WORK EXPERIENCE

Software Engineer Intern

PCI

Columbia, MD
Sep 2021 - Present

- Transition app from being deployed on GCP Kubernetes cluster to AWS Kubernetes cluster.
- Create a CI/CD pipeline on AWS with Jenkins, Trivy, Anchore, and Harbor.
- Create a diagram map describing how devices on the app network architecture are connected.

Software Engineer Intern

Klaviyo

Boston, MA
Jun 2021 - Aug 2021

- Migrated Django server-side rendered template to client-side rendered React components.
- Set up new API endpoints on the back end to retrieve data from for the front end.
- Wrote 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

- Created email templates with HTML, CSS, and a templating engine.
- Filtered target audience through SQL queries.
- Debugged launch issues with the support team by looking through stack traces.

SKILLS

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

PROJECTS

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.