

ALLEN J HUANG

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WORK EXPERIENCE

Klaviyo

Senior Software Engineer

Boston, MA

May 2022 - Present

- Architected system to reimagine our workflows as directed graphs.
- Lead engineering effort on a frontend refresh using React and Redux.
- Maintained owned systems with terraform and AWS.
- Placed and won in multiple categories in a couple company hackathons.

PCI

Software Engineer Intern

Columbia, MD

Sep 2021 - Dec 2021

- Transitioned app from being deployed on GCP Kubernetes cluster to AWS Kubernetes cluster.
- Created a CI/CD pipeline on AWS with Jenkins, Trivy, Anchore, and Harbor.
- Created 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.

SKILLS

Languages:	Python, JavaScript, TypeScript, SQL, Bash, Rust, Go
Frameworks/Libraries:	Django, React, Pytest, Jest, Playwright
Data:	Redis, MySQL, PostgreSQL, RabbitMQ, Kafka, Pulsar, Clickhouse, Snowflake, S3
Tools:	Git, Docker, Kubernetes, Jenkins, ArgoCD, pdb
Cloud Platforms:	AWS, OCI, GCP
Operating Systems:	Linux, MacOS, Windows
Operations:	PagerDuty, Splunk, Sentry, JIRA, Slack

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, NLP libraries*

Generate a short quiz from a wiki URL. Worked solo on all parts of the project except the image fetching service of the microservices-oriented project.

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 parts of the project with one other teammate through pair programming.

EDUCATION

Oregon State University

BS Computer Science *GPA: 3.95*

Corvallis, OR

Mar 2020 - Mar 2022

University of Illinois at Urbana-Champaign

BS Earth, Society and Environmental Sustainability

Urbana, IL

Aug 2010 - May 2014