Bryan Pan

Software Developer & Coffee Enthusiast

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Education

University of California, Los Angeles • UCLA
GPA: 3.78

March 2022

Bachelors of Science, Computer Science

Relevant Coursework: Programming Languages, Scalable Internet Services, Computer Vision, Operating Systems, Algorithms, Quantum Computing

Activities: Creative Labs, Bruin Toastmasters, UCLA Badminton Team

Projects

AI
Work in Progress

A recipe saver, aggregator, and recommender for anyone.

Agora
bpan.xyz/agora

A collaborative canvas where every user can only draw a single stroke every 20 seconds.

Languages

- Javascript/Typescript
- C/C++
- Python
- Bash

Web Development

- HTML · CSS · SCSS
- React · Redux · Next.js
- REST · GraphQL
- Node · Express
- Authentication
- Contentful (CMS)
- PostgreSQL · NoSQL
- Figma · Vectary

Cloud Infrastructure

- Amazon Web Services
- Microsoft Azure
- Oracle Cloud
- AWS CDK
- DynamoDB · Lambda · AppSync · Elastic Beanstalk
- IAM · Code Pipeline · Code Build · Elasticache · EC2

Dev Ops

- Distributed Systems
- NPM publishing
- Lerna
- Docker
- Kubernetes
- CI/CD

Professional Experience

Facebook
Menlo Park, CA

Software Engineering Intern

Fall 2021

Working on VR Developer Engagement [details to come].

Amazon Web Services • AWS
Seattle, WA

Software Engineering Intern

Summer 2021

Creating a package to analyze cloud architecture states, extract their differences, and produce a change report, customizable with a rules language.

Contributions:
- Mantained, published, and integrated an NPM monorepo
- Designed and developed a continuous integration system to detect IAM security changes within a cloud deployment
- Created a CLI to interact with the change analyzer package

Skills Used: AWS · CI/CD · Typescript · DevOps · NPM

Amazon Web Services • AWS
Seattle, WA

Software Engineering Intern

Summer 2020

Designed and developed a code-first schema framework for GraphQL with the AppSync module through AWS Cloud Development Kit.

Contributions:
- Designed and delivered a code-first schema framework
- Engaged customer questions, reviewing customer contributions, and addressing customer needs
- #15 Contributor, 13k+ Lines of Code (as of 9/11/2020)

Skills Used: AWS · GraphQL · Typescript · DevOps · TDD

Creative Labs @ UCLA
Los Angeles, CA

Executive Director

2019 - 2021

Directed an organization to promote self-expression through technology and design. Launched intiative to teach 500+ students the fundamentals of web design and web development.

Booz Allen Hamilton
El Segundo, CA

Software Engineering Intern

Summer 2019

Developed a FOSS tool that visualizes a Kubernetes environment and actively monitors the health of elements within that environment.

Contributions:
- Created an error bar component that monitors an environment and outputs faulty pods
- Developed a dashboard that actively displays overall stats of a Kubernetes environment
- Redesigned a topological view of a Kubernetes environment to displays hosts, pods, and containers

Skills Used: Javscript · React/Redux · Kubernetes · Docker