

# Bryan Pan

Software Developer & Coffee Enthusiast

 bryanpan.co

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 in/blpan

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## Education

**University of California, Los Angeles • UCLA** GPA: 3.76  
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 • Python  
• C/C++ • Bash

## Web Development

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

## Cloud Infrastructure

• Amazon Web Services • Oracle Cloud  
• Microsoft Azure • AWS CDK  
• DynamoDB • Lambda • AppSync • Elastic Beanstalk  
IAM • Code Pipeline • Code Build • ElastiCache • EC2

## Dev Ops

• Distributed Systems • Docker  
• NPM publishing • Kubernetes  
• Lerna • 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:

- Maintained, 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 initiative 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:** Javascript • React/Redux • Kubernetes • Docker