

# Jay Kudva

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## Education

**University of California, Berkeley**   Computer Science BA, Economics BA

Aug 2019 – May 2023   3.693 GPA

Extracurriculars: Blueprint – Technology for Nonprofits, UpSync Consulting, Poker @ Berkeley

Coursework: Program Structure & Interpretation, Data Structures, Discrete Math and Probability Theory, Efficient Algorithms, Microeconomics, Macroeconomics, Corporate Finance, Cybersecurity, Artificial Intelligence

## Experience

**Software Development Engineer Intern**   Amazon

May 2021 – Aug 2021   Seattle, WA

- Delivered seller-impacting service to automate labor intensive process of tracking intermediate components used for building Amazon subscription boxes as part of the Subscriptions and Discovery Team
- Leveraged AWS Neptune to consolidate 12 databases of various stages in product creation and GraphQL CRUD API's deployed using an ECS + Fargate service, cutting Operations' team discovery time by 75%
- Led numerous design meetings about product scalability, impact, service architecture, and more QoL seller tools.

**Growth Intern & Internal Developer**   Bonfire

May 2020 – Sep 2020   New York, NY   Internship

- Built out data aggregation tool with Pandas that tracks audience retention and created growth applications that received traffic of 10,000 views per month
- Developed internal tools to drive platform growth utilizing OpenCV, Firebase, and NodeJS
- Automated the influencer onboarding process by authenticating and importing their existing social media information

**CS Class Academic Intern**   UC Berkeley

Jan 2020 – May 2020   Berkeley, CA   Part-Time

- Reinforced student knowledge of SQL and algorithms as course staff, developed personal research projects
- Demonstrated strong knowledge in control structures, functional programming, OOP, recursion, and trees
- Hosted weekly reviews for 150+ students; focus on application through projects, homework, and labs

## Projects

**SlapEmoji**

July 2020   ReactJS, OpenCV

- Developed an OpenCV based web-app to automatically place an emoji to your face attracting over 2000 MAU to the platform from scratch
- Gained experience in React frameworks, Webpack, and Redux

**Did You?**

May 2020   Swift, Firebase

- Created minimal iOS productivity app and gained full stack development experience including product design entire app workflow extensively in Sketch

**Bord Payments**

Sept 2019   React, Node, MongoDB

- Led frontend development of beta web app with dynamic components leveraging an MVC model
- Co-developed beta backend server and began development of a REST API with Express
- Created business plan, filed a design patent application, secured \$10,000 angel investment

## Skills

Languages: Java, Python, C, Javascript, HTML5, CSS, Scheme, Swift, Gremlin, MySQL, SQLite, Go, Typescript

Frameworks: ReactJS, VueJS, NodeJS, Apache Tinkerprop, Django, & OpenCV

Human Languages: English (native), Indian Language (fluent), Spanish (proficient)

General: Linear Programming, Risk Analysis, Algorithm Design, Object-Oriented Design, UI/UX Design, Docker