

# Jay Kudva

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## Education

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

Aug 2019 – Dec 2022 3.693 GPA

Extracurriculars: UpSync Consulting, Poker @ Berkeley

Coursework: Program Structure & Interpretation, Data Structures, Discrete Math and Probability Theory, Efficient Algorithms, Linear Algebra & Differential Equations, Microeconomics, Macroeconomics, Corporate Finance

## Experience

### Software Development Engineer Intern Amazon

May 2021 – Current Seattle, WA

- Developed Amazon seller-impacting product lifecycle management tool using AWS ECS, Fargate, and Neptune to consolidate 12 disjoint databases and led to a 5% increase in service usage amongst Operations
- Integrated tool into production CI/CD pipeline being used by 20+ internal teams, with 100+ daily developer interactions with the tool
- Lead design meetings about product scalability, impact, service architecture, and more QoL seller tools
- Decreased the Operations team's product development time by 30% through the use of my service
- Constructed REST API endpoints, using Coral, with Gremlin to query Neptune over 4000 times per hour

### 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

### CS88 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 Payment Systems

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), Konkani (fluent), Spanish (proficient)

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