

# Dallas Johnson

Software engineer excited about hardware, dedicated to critical product improvements, and passionate about delivering compelling new experiences to customers.

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## EXPERIENCE

### **Amazon.com, Alexa Devices** — *Software Development Engineer II, C++*

January 2020 - PRESENT

- Allowed Echo devices to serve speech reminders while offline. Served 320M monthly user requests and prevented 570K monthly missed reminders.
- Designed privacy state recovery to ensure that our signature red mute ring is shown even after software crashes, preventing 32K monthly user-facing failures.
- Designed agent-specific sound effects with two partner teams, and scaled for thousands of devices at Disney resorts.
- Created 3D printed debug hardware and delivered over 30 debug boards to QA teams in Sunnyvale and Chennai.
- Reduced team onboarding time from three weeks to <2 days through hardware preparation, documentation, and scripting of the onboarding process.

### **Amazon.com, Capacity Management** — *Software Development Engineer, Java & Python*

January 2019 - January 2020

- Analyzed technology options for data storage and computation, changing product direction and achieving a 25X cost reduction.
- Designed a robust hardware capacity management system utilizing AWS Lambda, DynamoDB, CloudFormation, and S3. Saved Amazon over \$1M annually and scaled to support over 1000 teams for automatic capacity scaling.

### **Ardent Academy, Irvine** — *App Developer & Instructor, React Native*

April 2017 - September 2018

- Developed class scheduling app using React Native and GraphQL backend, serving a student population of about 200.
- Established curriculum for a React Native app development course. Instructed classes of 15 - 20 students aged 10-16.

## EDUCATION

### **University of California, Irvine** — *B.S. in Computer Science and Engineering*

August 2016 - December 2018

## SKILLS

C++

Python

Java

React Native

## AWARDS

**Tau Beta Pi**

**Member - 2018**

**Eagle Scout -**

**2012**