

# Ollie O'Donnell

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## Experience

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**Cruise** *Senior Software Engineer*

March 2022 - Present

**Amazon.com** *Software Development Engineer 2*

Oct 2019 - Feb 2022

- Created and maintained the Alexa AV Core service (Java), supporting voice commands such as “Alexa, turn on the tv” and “Alexa, pause”.
- Built consensus across 6+ teams to decouple a monolithic service into child services, while maintaining complex existing routing behavior.
- Executed data-driven feature launches by using A/B testing and detailed metrics to evaluate the customer impact of changes.
- Delivered a filtering layer that reduces incoming requests by 50%, improving customer latency and saving on service hosting costs.
- Acted as tech lead for several projects, directly assigning tasks to devs and delivering project plans and updates to leadership.

**IBM Watson** *Full Stack Developer*

July 2017 - Sept 2019

- Developed React + Node.js web applications for the Compare & Comply artificial intelligence product.
- Enhanced CI/CD by setting up continuous deployment to Kubernetes.
- Prepared product for global users by adding internationalization.
- Optimized performance for heavy workloads by implementing infinite-scroll, API pagination, GraphQL request caching, and more.

**IBM Watson** *Full Stack Development Intern*

Summer 2016

**Packd** *Co-founder and Full Stack Developer*

2014 - 2017

- Developed physical networking devices and mobile apps to tell users how busy 11+ libraries, gyms, and cafés are before they go.

## Education

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**University of California, Berkeley** *B.A. in Computer Science*

Grad. May 2017

CS Courses: Internet Architecture, Comp. Security, Comp. Graphics, Comp. Photography, Electrical Engineering, Machine Architecture, Structure and Interpretation of Comp. Programs, Data Structures, Software Engineering, Artificial Intelligence

## Technical Skills

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**Languages:** JavaScript ES2015 (ES6), TypeScript, Flow, Groovy, Python, Java, C, C++. **Back-End:** Ant, Spring Framework, Node.js, Django, SQL, MongoDB, GraphQL. **Front-End:** HTML, CSS, React.js, Angular, WebGL, Three.js, D3, Cypress, Jest, React Testing Library. **Academic:** NumPy, SciPy, Matplotlib, Scheme, Logic, TensorFlow (Machine Learning). **Dev Ops:** Amazon EC2, Google App Engine, IBM Cloud, Kubernetes (IBM Armada), Jenkins.