

# Ben Backus

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Portfolio: [www.benback.us](http://www.benback.us)

## TECHNICAL SKILLS SUMMARY

### *Languages & Tools*

React, Typescript, Python, JavaScript, HTML, CSS,  
Git, Django, Tornado, Vue, Ember, SQL, REST

### *Concepts & Theory*

full-stack web development, database management, unit testing,  
data visualization, code optimization, agile team methodology

## EDUCATION AND TRAINING

Stanford University,  
Class of 2020

- B.S. Symbolic Systems, June 2020
- Substantial coursework in machine learning, theoretical computer science, and computer engineering/mechatronics
- Lead team that developed dumpster sensors for sustainability department using Particle's mesh network devices and Walabot's 3D imaging senso; developed frontend & backend of web portal using Django and Vue.js. Profiled in: [news.stanford.edu/2019/07/11/students-develop-technology-measures-dumpster-usage/](https://news.stanford.edu/2019/07/11/students-develop-technology-measures-dumpster-usage/)

## WORK EXPERIENCE

### [Two Six Technologies, Arlington VA](#)

Project: Ike  
VC-Backed: Dell, Harbert, NAV, Grotech  
Acquired by Carlyle Group

#### Senior Software Engineer

October 2020 – present

- Team lead of dashboard management interface
- Promoted from Junior to Staff to Senior software engineer in three years
- Led effort to set up first unit tests for product, as well as transition towards typescript
- Created d3 data visualizations such as network graphs, charts, and custom diagrams
- Wrote extensive documentation which included visuals diagrams of complex code
- Made data model changes and wrote migration rules
- Active Security Clearance

### [Two Six Labs, Arlington VA](#)

Project: 8Wire  
VC-Backed: Dell, Harbert, NAV, Grotech  
Acquired by Carlyle Group

#### Software Engineering Intern

June 2019 to September 2019

- Worked on DARPA-funded, multi-tier, scalable application for the U.S. Government
- Worked with Tornado and Vue.js frameworks; Developed test automation architecture
- Wrote production code and gained thorough experience with complex design patterns
- Developed UI to modularly integrate instructions for schematic components

### [23andMe, Mountain View, CA](#)

VC-Backed: Sequoia, GV, Mohr Davidow, Sapphire

#### Software Engineering Intern

February 2017 to October 2017

- Worked on confidential project with Agile team; wrote groundwork for backend API requests and developed testing and automation infrastructure
- Worked with Django, ReactJS, Facebook & Twitter APIs, and PIL and D3.js libraries
- Wrote production code and developed entire web application in last three weeks

### [Cloudistics, Reston, VA](#)

VC-Backed: Bain Capital

#### Software Engineering Intern

June 2015 to September 2015; June 2016 to September 2016

- Developed hardware statistics gathering software and internal company website from scratch using Django and Angular to make user data more accessible for customer support, sales, QA, and the engineering team