Ben Backus

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TECHNICAL SKILLS SUMMARY

Extremely Experienced	*Very Experienced*	*Experienced*
Python, Django, JavaScript, Git, C, HTML5, CSS3, JSON, ReactJs, Vue, AngularJs, full-stack, Linux, Agile	SQL, C++, REST, data scraping, data cleansing, design Patterns, SaaS, Atlassian products, unit testing	Java, Tornado, AJAX, Jenkins, Selenium, Postgres, Machine Learning, AWS & Google Cloud

EDUCATION AND TRAINING

Stanford University,
Class of 2020
3.5 GPA

- B.S. Symbolic Systems (Computer Science) June 2020
- Coursework in machine learning and deep learning (CS109, CS124, CS221, CS230) and Computability Theory (CS103, CS154, Phil 152, Phil 162)
- Video design and set automation for student-run theater production of *Chicago*, 2018

WORK EXPERIENCE

Stanford University R&DE
Sustainability Department,
Stanford, CA

Lead Software Engineer & Hardware Engineer (part time)
September 2018 – present
- Worked with Particle's mesh network devices and Walabot's 3D imaging sensor
- Developed frontend & backend of web portal using Django and Vue.js
- Lead team that developed sensor to be installed in Stanford's dumpsters to accrue data about disposal schedule, dormitory waste disposal trends, and evidence of contamination. Profiled in: news.stanford.edu/2019/07/11/students-develop-technology-measures-dumpster-usage/

Two Six Labs, Arlington VA
VC-Backed: Dell, Harbert, NAV, Grotech

Software Engineer (full time)
June 2019 to September 2019
- Worked on confidential, DARPA-funded, multi-tier, scalable application for the U.S. Government on a team practicing Agile methodology
- Worked with Tornado and Vue.js frameworks; Developed test automation architecture
- Wrote production code and Attained ample experience with design patterns and solving complex UX problems
- Contact giacomo.bergamo@twosixlabs.com for specific details or questions

23andMe, Mountain View, CA
VC-Backed: Sequoia, GV, Mohr Davidow, Sapphire

Software Engineer (part time school year; full time summer)
February 2017 to October 2017
- Worked on confidential project with a team practicing Agile methodology, participating in mutual code reviews and daily scrums
- Worked with Django, ReactJS, Facebook & Twitter APIs, and PIL and D3.js libraries
- Wrote production code and developed entire web application from scratch on my own in my last three weeks
- Contact mikep@23andme.com for specific details or questions

Cloudistics, Reston, VA
VC-Backed: Bain Capital

Software Engineer (full time)
June 2015 to August 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
- Developed API for SaaS portal; wrote python scripts and learned how to efficiently parse and clean data
- Wrote production code and attained software engineering experience developing web technologies and relational databases