

# Jacob Shandling

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## Experience

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**Fleet Device Management** | Remote November 2022 - Present

Software Engineer II – 1/24 to present

Software Engineer – 12/22 - 12/23

Software Engineer, Contract – 11 to 12 /22

- Implement major features both [independently](#) and [in concert with teammates](#).
- Lead significant codebase improvements, resulting in a more stable codebase and consistently declining incidence of bugs
- Troubleshoot and resolve complex issues across the entire codebase, leading to notable improvements including a 10x savings in memory usage.
- Spearhead version control workflow and final integration for major team-wide initiatives

**Freelance Software Engineer** | Remote February 2021 - October 2022

- Design and develop open-source full-stack web apps using modern technologies
- Rapidly and thoroughly learn and apply new technologies
- Deploy web apps on industry-standard Platforms-as-a-Service (Heroku, AWS)

**Thring** | Remote October 2020 - January 2021

Software Engineering Intern

- Develop the inference engine for an ML-based computer vision model using Python, TensorFlow, and PyTorch
- Collaborate concurrently and remotely with team members, maintaining version control with Git

**Musician** | New York, NY and Worldwide June 2006 - October 2022

Multi-Instrumentalist, Composer, Educator

- Internationally touring drummer and highly regarded educator
- Reputation for elite-level performance resulting in concerts from New York's Jazz at Lincoln Center to the Jazz Gallery for audiences of up to 250,000 in 10+ countries, 20M+ album streams in one year, 500,000+ video views

**The Zahler Lab, UC Santa Cruz** | Santa Cruz, CA January 2011 - December 2011

Research Assistant

- Study nuclear rearrangement processes in the ciliated protozoan *Sterkiella histriomuscorum*
- Develop and optimize protocols for investigation of novel RNA functionality in these processes
- Maintain clear and consistent documentation and communication within a team of researchers

## Tools & Languages

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**TypeScript, JavaScript, React, Python, Go, Git, SQL**

## Education

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**University of California, Santa Cruz** 2007 - 2011

Bachelor of Science - Molecular Biology;

Music Theory & Performance;

Cum Laude, University Honor, 5 x Dean's Honors

**Select Self-Study** September 2019 - Present

- [Harvard CS50 - Web Programming with Python and JavaScript](#) (2021 - 2022)
- [Stanford Online - Algorithms I, II, III, and IV](#) (2020 - 2021)
- Harvard CS50x (first half, covering C and memory management) (2021)
- [MITx - Program in Computational Thinking & Data Science Using Python](#) (2019 - 2020)