

Alexander Sparrow

Portland, OR | 415-948-1120 | alexander.lily.sparrow@gmail.com | [Linkedin.com/in/zandersparrow](https://www.linkedin.com/in/zandersparrow) | github.com/ZanderSparrow

PROFESSIONAL EXPERIENCE

October 2021 – Current

Lead Full Stack Developer, CareCopilot, Remote

- Designing and implementing React frontend with Redux state management, utilizing reusable components and lazy loading for increased efficiency
- Standing up a scalable REST API in Django
- Single-handedly implementing docker with container orchestration to speed up and streamline deployment and provisioning
- Leveraging AWS services such as Elastic Beanstalk, RDS database, Route 53, S3, and more, to deploy application for production and staging

January 2019 – March 2020

Backend Developer, Britelite Immersive, San Francisco, CA

- Implementing backend infrastructure for interactive installations including RESTful python APIs
- Automating deployment of installation components onto Linux and Windows servers, virtual machines, and AWS instances utilizing Ansible, Docker, and Kubernetes

March 2018 – December 2018

Assembler and Machinist, Modbot, San Francisco, CA

- Design and implementation of automated testing via shell scripting and Python programming
- Fabrication of servos, brakes, and cables, and on-demand customization and correction of components as specified in technical schematics

June 2017 – March 2018

Assembly Technician, DJ TechTools, San Francisco, CA

- Assembly and soldering of MIDI controllers in a fast-paced environment
- Inventory management, selection and ordering of soldering tools and supplies
- Flashing firmware, and troubleshooting hardware and software issues

VOLUNTEER WORK

September 2018 – November 2018

Code Immersion Teaching Assistant, Gray Area, San Francisco, CA

June 2016 – May 2017

Ask Darcel, Code for America, San Francisco, CA

EDUCATION

2010

Drexel University, Philadelphia, PA | Masters of Science, Cellular and Molecular Biology, 4.0

2005

California State University Monterey Bay, CA | Bachelors of Science, Environmental Science, 3.6