Eli Pandolfo

Software Developer

Personal Info

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- github.com/elip12

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- linkedin.com/in/eli-pandolfo

Website
- elip12.github.io

Professional Skills

Development Practices
- CI/CD
- Agile
- TDD/BDD
- RESTful API Architecture
- Relational Database Design
- Software Testing

Languages
- Go
- Python
- Bash
- JavaScript & HTML
- SQL
- C & C++
- Java

Tools
- UNIX/Linux
- Kubernetes
- Saltstack
- AWS
- Terraform
- Postgres
- Django
- Vue

Certifications

- AWS Technical Professional

About Me

Infrastructure engineer at Robinhood recently graduated from UC Santa Cruz. In college I worked in computational economics and researched bacterial genomics. Intent on bridging the gap between developing cloud-native orchestration tools and operating zero-downtime infrastructure. In my down time I ski, surf, bike, backpack, and play jazz sax.

Experience

Infrastructure Engineer *Robinhood, Menlo Park, CA* 2020 - present
- Leverage Kubernetes to build/extend orchestration tooling and manage cloud infrastructure.

Lab Programmer *LEEPS Lab, UC Santa Cruz, CA* 2017 - 2018, 2019 - 2020
- Developed real-time multiplayer economics experiments for research into markets, game theory, and decision-making.
- Wrote Python and Bash scripts to analyze and visualize experiment data.
- Set up and maintained a public Linux production server.
- Hired, trained, and supervised four lab programmers.

Software Engineering Intern *productOps, Santa Cruz, CA* 2018 - 2019
- Developed Node API and Postgres database that simplifies and streamlines the creation of AWS infrastructure, reducing startup overhead for new projects.
- Wrote end-to-end and integration tests for Angular/Node web apps, ensuring safe updates to production applications with 1000+ users.

Education

BS Computer Science *UC Santa Cruz* 2016 - 2020
- GPA: 3.96
- Regent's Scholarship
- College Scholars Program
- Undergraduate bioinformatics & machine learning research with Linqs Lab
- Areas of focus: bioinformatics, computational economics, data wrangling & machine learning, parallel processing

42 Piscine *42 Silicon Valley* 2017
- Four-week intensive C coding program at School 42 in Fremont, CA

Projects

Genome Wide Association Study *Linqs Lab, UC Santa Cruz*
- Microbial GWAS program that uses statistical relational learning to predict genetic causes of bacterial phenotypes.
- Successfully identified genes in *E. coli* known to cause antibiotic resistance, outperforming a state-of-the-art method.

Computational Economics Experiment *LEEPS Lab, UC Santa Cruz*
- Multiplayer web app with Vue.js UI simulating people waiting in a queue.
- Players trade places with each other for money in real time.

StenoScribe Android App *Mobile Apps Class, UC Santa Cruz*
- Mobile app for streamlining note-taking during meetings. Users can instantly share speech-to-text transcriptions, photos, and documents.