

# ZOE PETERSON

## SOFTWARE ENGINEER

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in zoepeterson

## Skills

### LANGUAGES

Python  
Javascript  
HTML/CSS  
Java  
R

### PRIMARY TECHNOLOGIES

Kubernetes  
Helm  
Docker  
MySQL  
Elasticsearch  
Kafka  
Concourse  
Spinnaker  
React  
Redux  
Nginx  
Gherken  
GraphQL  
Angular

### ADDITIONAL TOOLS

Catchpoint  
Grafana  
Sumologic  
Git  
Agile Development  
Jira  
Opsgenie  
Circle CI  
Sentry

## Education

### Carleton College

BA Computer Science

BA Mathematics/Statistics

Educational Studies Concentration

GPA 3.84

Co-chair of Lovelace (group to promote gender diversity in CS), CS Student Department Advisor

Varsity Track and Field, Club Soccer, Pep Band

Sept. 2013 to June 2017

### Budapest Semesters in Mathematics Education

Aug. 2015 to Dec. 2015

## Employment

### Orchard

Software Engineer

New York, NY

Apr. 2020 to Current

- Member of a small agile team responsible for building a robust data synchronization strategy between our internal systems and Salesforce using Heroku Connect.
- In close collaboration with a coworker, implemented the initial integration between the two systems and met the tight two week deadline.
- Implemented numerous features in our Angular front end and Python API.
- Collaborated closely with product and UX and was the tech lead for multiple epics guiding my coworkers from initial scoping through smooth releases.

### AppNexus/Xandr

Software Engineer 2

New York, NY

Feb. 2019 to Apr. 2020

- Proposed, developed, piloted, and taught an interactive workshop on Kubernetes offered to engineers across the company.
- In collaboration with a fellow engineer, led the creation of a new UI gallery page including design sessions, product scoping, and implementation.
- Member of an agile team that successfully rebuilt our entire main UI grid using React and Redux.
- Drove adoption of new technologies including Spinnaker pipelines to streamline UI deployment and request tracing to support efficient debugging.
- Architected a Python application to feed live updates to an Elasticsearch cluster, speeding up queries, some by a factor of 50.

### Software Engineer

New York, NY

July 2017 to Feb. 2019

- In close collaboration with two senior engineers, architected an API from the ground up to replace a legacy application which supports 17 endpoints and connects to multiple external services.
- Owned the process of integrating of an existing API into this application, from design spec, to implementation, thorough testing and a release plan.
- Built an nginx app to execute an incremental rollout. Developed with extensibility in mind, and built a reusable app.
- Developed and ran a WiTNY Sumer Guild interactive career exposure event for 80 college freshman women involving the coordination of 15 employee volunteers.

### Upperline Code

Summer Guild Teacher

New York, NY

July 2019

- Attended week long teacher bootcamp; learned from stellar computer science teachers from across the US.
- Taught an introductory web development course to 60 rising college freshman women entering CUNY schools.

### The Coding Space

Instructor

New York, NY

Oct. 2018 to Feb. 2019

- Twice a week taught scratch and javascript to elementary and middle school school students using the socratic method.

### Girls Who Code

Teaching Assistant

Seattle, WA

June 2015 to Aug. 2015

- Assisted with teaching an inclusive and supportive 7 week Intro to CS course to 20 high school girls.

### Wyzant

Tutor

Seattle, WA; New York, NY

- Tutored many adult learners over the years, mainly in introductory computer science and data science.
- Received only 5 star ratings with a total of 11 reviews.

## Volunteering

### TEALS - Microsoft Philanthropies program · Co-Teacher

New York, NY

Sept. 2019 to May 2020

- Co-taught an introduction to CS course with a first time CS teacher at a New York City public school.
- Full school year program; in the classroom twice a week before work.

### Computer Science Educator

Seattle, WA; Northfield, MN; New York, NY

Sept. 2014 to Current

- Volunteered with 8 different organizations including Ada Develerops Academy, Girls Who Code, Code.org, Chick Tech, Women in Tech NY(WiTNY), and Code For Cape Town.
- Worked with students from second grade through adult in numerous setting from founding a middle school coding club to a two day workshop.