

Zeke Medley

UC Berkeley EECS class of 2022. I love to program.

Berkeley, CA
(541) 237-9113
zekemedley@gmail.com
zeke.works
github.com/ZekeMedley

EXPERIENCE

Mozilla, Remote — *Firefox Layout Intern*

Summer 2020

CSS development improving high contrast support and image manipulation.

- prefers-contrast media query [spec development](#)
- [prefers-contrast](#) media query implementation in Firefox
- [forced-colors](#) media query implementation in Firefox
- Mozilla Hacks [blog post](#) about implementation
- CSS [cross-fade](#) function implementation in Firefox

Corelight, San Francisco — *Open Source Engineering*

Jan 2018 - Feb 2019

Programming language and data structure development:

- [JIT compiler](#) for [Spicy](#) programming language written with Clang and LLVM.
- Added [key-value for loops](#) and [lambdas with closures](#) to the Zeek Network Security Monitor's scripting language.
- Wrote [Paraglob](#), a data structure for fast string matching against large pattern sets.

IBM, Hillsboro, Oregon — *Intern*

Summer 2017

Data aggregation and analysis with Watson's NLP tools.

- Backend for an internal tool that automatically collects and analyzes tweets, github, and forum activity about releases.
- Internal tool that automatically synchronizes data in internal databases and public wiki pages using custom tagging language and NLP.

VOLUNTEER EXPERIENCE

Citris Invention Lab, Berkeley — *Lab Manager*

Jan 2018 - PRESENT

Open, close, and run a popular makerspace on the UC Berkeley Campus. I am the youngest lab manager in the makerspaces 10+ year history.

SKILLS

Performant, reliable, and safe C++ and Rust development.

Programming language development with LLVM.

Advanced calculus, linear algebra, and discrete math with some signal processing coursework.

Excellent writing, and interpersonal skills.

Independent Projects

[C++ implementation](#) of the Lox programming language.

Assorted [tutorials](#) and [feature announcements](#) on the Zeek blog.

A smartphone controlled DIY drone with a [generatively designed chassis](#).

A [really quick](#) rock paper scissors algorithm.

A [person tracking robot](#) made with Tensorflow, a used drill, and a spinning stool.

