

# Christopher Cooper

## me

### CONTACT

christopher@cg505.com  
github.com/cg505  
cg505.com

### EDUCATION

#### University of California, Berkeley

Major GPA: 3.74      2018 – 2020

B.A. in Computer Science

Relevant coursework:

- CS 162: *Operating Systems*
- CS 164: *Programming Languages and Compilers*
- CS 168: *Intro to the Internet*

#### Purdue University, West Lafayette

GPA: 3.81      2016 – 2018

Pursued B.S. degrees in

Computer Science and Math

Relevant coursework:

- CS 373: *Data Mining & Machine Learning*
- CS 381: *Algorithms*
- MA 571: *Topology*

### SKILLS

#### Programming Languages

Proficiency

Javascript, Go, Scala, Python

Experience

C/C++, Java, C#, Ruby, Lisp

#### Other Tools/Frameworks

Proficiency

Git, Kubernetes, Linux

Experience

Puppet, Jenkins, React

#### Hobbies

Talk to me about

Jazz Saxophone, Coffee,

Music, Rhythm Games

This resume: [co5.us/resume](http://co5.us/resume)

## my work

### WORK EXPERIENCE

#### Databricks [databricks.com](http://databricks.com)

San Francisco, CA

Software Engineer

January 2021 – December 2023

**Rolled out** a new terabyte-scale streaming database of test results handling **25+ million records per day**, powering over a dozen internal analytic use cases.

**Utilized** this to intelligently choose high-signal tests, keeping PR validation fast as the number of tests increased by 1.6x. **Expanded** a test failure classifier to auto-handle 10s of millions of test results per day, **reducing triage by 60-75%**.

**Increased** release frequency by 2.4x through streaming analysis of test results.

#### Kelda [kelda.io](http://kelda.io)

Berkeley, CA

Senior Software Engineer

May 2020 – November 2020 (startup folded)

Software Engineering Intern

Spring 2019

**Built** Blimp, a distributed tool to enable software development in the cloud, as part of a 5-person startup team. **Designed and implemented** features such as shareable link generation and a web interface within this distributed architecture. **Interacted** with the Kubernetes and Docker APIs directly.

#### Brave Software [brave.com](http://brave.com)

San Francisco, CA

Software Engineering Intern

Summer 2019 – Fall 2019

**Built** React UI components for the Rewards system and local cryptocurrency wallet and **improved** its IPC framework. **Merged** dozens of public PRs ([link](#)).

#### Studio by Purdue

West Lafayette, IN

Student Developer Intern

Summer 2016, Summer 2018

**Deployed** a new app to tens of thousands of students. **Streamlined** data flow in the React frontend using Redux. **Restructured** Android request handling.

#### Department of Computer Science, Purdue University

West Lafayette, IN

Teaching Assistant, CS 252 (Systems Programming)

Summer 2018

**Mentored** students with assignments and other course material.

**Created and updated** programming lab handouts and C skeleton code.

#### Angie's List [angieslist.com](http://angieslist.com)

Indianapolis, IN

Software Engineering Intern

Summer 2017

**Reimplemented** a price comparison tool using the new React/Redux stack.

**Restructured** the company's microservice request handling Scala library.

### OTHER EXPERIENCE

#### Open Computing Facility [ocf.io](http://ocf.io)

University of California, Berkeley

Site Manager

Spring 2020

General Manager

Summer 2019 – Fall 2019

Technical Manager

Fall 2018 – Spring 2020

**Led** ~100 volunteer staff and 8 paid staff, utilizing \$90k+ yearly funding. **Leveraged** industry-standard tools such as LDAP/Kerberos, Kubernetes, and Puppet config management. **Maintained** an array of servers providing high performance computing, software mirrors, **webhosting with 800k+ daily hits**, and other services to 6000+ active users and 1000+ student organizations. **Managed** a lab of 30 Debian Linux workstations with thousands of weekly users.