

# Christopher Cooper

## me

### CONTACT

cg505.com  
github.com/cg505  
cooperc@berkeley.edu

### EDUCATION

#### University of California, Berkeley

Expected Graduation: Spring 2020  
B.A. in Computer Science  
Major GPA: 3.74

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 Fall 2016 – Spring 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, C/C++, Python

*Experience*

Java, C#, Scala, Ruby, Elixir, Lisp

#### Other Tools/Frameworks

*Proficiency*

Git, Kubernetes, Linux, React

*Experience*

Puppet, Jenkins, Android

#### Hobbies

*Talk to me about*

Jazz Saxophone, Coffee,  
Audio Engineering, Music

**This resume:** [co5.us/resume](https://co5.us/resume)

## my work

### WORK EXPERIENCE

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

San Francisco, CA

*Software Engineering Intern*

Summer 2019 – Fall 2019

**Improved** inter-process communication between components in the browser C++ core. **Built** React UI components for the Rewards system and local cryptocurrency wallet. **Merged** dozens of pull requests that are public on GitHub.

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

Berkeley, CA

*Software Engineering Intern*

Spring 2019

**Built** features for a distributed application to assist development in the cloud. **Created** Kubernetes CRDs and controllers, working with the Kubernetes Go API. **Designed** this distributed architecture within a small startup team.

#### Studio by Purdue

West Lafayette, IN

*Student Developer Intern*

Summer 2016, Summer 2018

**Deployed** a new app to tens of thousands of students using ASP.NET and Azure in a small agile-based team. **Streamlined** data flow in the React frontend using Redux. **Abstracted and 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 course material. **Created and updated** programming lab handouts and C skeleton code.

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

Indianapolis, IN

*Software Engineering Intern*

Summer 2017

**Reimplemented** a price comparison tool using the new React/Redux stack. **Restructured** microservice request handling within the company Scala backend library. **Created** integration tests and endpoint coverage reporting.

### OTHER EXPERIENCE

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

University of California, Berkeley

*Site Manager*

Spring 2020 – *present*

*General Manager*

Summer 2019 – Fall 2020

*Technical Manager*

Fall 2018 – *present*

**Lead** ~100 volunteer staff and 8 paid staff, utilizing \$90k+ yearly funding. **Leverage** industry-standard tools such as LDAP/Kerberos, Kubernetes, and Puppet configuration management. **Maintain** 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. **Manage** a lab of 30 Debian Linux workstations with thousands of weekly users.

### PERSONAL PROJECTS

#### kotct/dot [co5.us/dot](https://co5.us/dot)

MinneHack at University of Minnesota

January 2017

A tool for creating universally-available personal configurations, supporting GNU Emacs. Any dot user can seamlessly fetch and enable any other user's configuration, with just a few keystrokes. *In ongoing development.*