

Christopher Cooper

me

CONTACT

cg505.com
github.com/cg505
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EDUCATION

University of California, Berkeley

Expected Graduation: Spring 2020
B.A. in Computer Science
Relevant coursework:

- CS 162: *Operating Systems*
- CS 164: *Programming Languages and Compilers*
- MATH 185: *Complex Analysis*

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

my work

WORK EXPERIENCE

Brave Software brave.com

Software Engineering Intern

San Francisco, CA

Summer 2019 – *present*

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

Software Engineering Intern

Berkeley, CA

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

Student Developer Intern

West Lafayette, IN

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

Teaching Assistant, CS 252 (Systems Programming)

West Lafayette, IN

Summer 2018

Mentored students with assignments and course material. **Created and updated** programming lab handouts and C skeleton code.

Angie's List angieslist.com

Software Engineering Intern

Indianapolis, IN

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

General Manager

University of California, Berkeley

Summer 2019 – *present*

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

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.*