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   San Francisco, CA
Software Engineering Intern   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   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   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   University of California, Berkeley
General Manager   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.*