Christopher Cooper

me

Contact

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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

my work

Work Experience

Databricks 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   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   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   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   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. **Manageed** a lab of 30 Debian Linux workstations with thousands of weekly users.