

Christopher Cooper

me

CONTACT

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EDUCATION

University of California, Berkeley

Expected Graduation: 2020
B.A. in Computer Science
B.A. in Mathematics
Relevant coursework:
• CS 164: *Programming Languages and Compilers*
• MATH 185: *Complex Analysis*

Purdue University, West Lafayette

GPA: 3.81 2016-2018
Pursued B.S. degrees
in Computer Science and Math
Relevant coursework:
• CS 252: *Systems Programming*
• CS 373: *Data Mining & Machine Learning*
• CS 381: *Algorithms*
• MA 571: *Topology*

SKILLS

Programming Languages

Proficiency
Javascript, C/C++, Python, Lisp
Experience
Java, C#, Scala, Ruby, Elixir, R

Other Tools/Frameworks

Proficiency
Git, Linux, React, Redux
Experience
ASP.NET, Android, Puppet

Hobbies

Talk to me about
Jazz Saxophone, Coffee,
Audio Engineering, Music

my work

WORK EXPERIENCE

TheCoderSchool

Code Coach

Berkeley, CA

Fall 2018 – present

Teach programming and computer science concepts one-on-one and in small groups to elementary and middle school kids.

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 labs handouts and C skeleton code.

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. **Improved** data flow in the React-based frontend using Redux. **Abstracted and restructured** Android request handling.

Angie's List

Indianapolis, IN

Software Engineering Intern

Summer 2017

Reimplemented a price comparison tool available to members using the new React/Redux functional stack. **Restructured** microservice request handling within the company's shared Scala backend library. **Created** integration tests for mission-critical services and improved Javascript Mocha testing framework.

OTHER EXPERIENCE

Open Computing Facility

University of California, Berkeley

Technical Manager

Fall 2018 – present

Manage a computer lab of 29 Debian Linux workstations. **Leverage** industry-standard tools such as LDAP, Mesos distributed computing, and Puppet configuration management. **Maintain** an array of servers providing webhosting, high performance computing, software mirrors, and other services to 6000+ active users and 1000+ student organizations.

Political Computer Science at

University of California, Berkeley

Member

Fall 2018 – present

Project in-progress: *Engineering Activism*, a recommender system in Python to inform activists and organizers of new bills. **Integrate** APIs from Propublica and the US GPO to obtain info about bills. **Consult** with a small startup.

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.*