

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

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

Angie's List

Software Engineering Intern

Indianapolis, IN

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.

TEACHING 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

Teaching Assistant, CS 252 (Systems Programming)

West Lafayette, IN

Summer 2018

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

OTHER EXPERIENCE

Open Computing Facility

Technical Manager

University of California, Berkeley

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

Member

University of California, Berkeley

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

MinneHack at University of Minnesota

co5.us/dot

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.*