

# 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. **Streamlined** data flow in the React 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 and endpoint coverage reporting for the 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 Berkeley

*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.*