Christopher Cooper

at the intersection of math, computer science, and music

me

Contact

cg505.com
github.com/cg505
cooperc@berkeley.edu

Education

University of California, Berkeley
B.S. in Computer Science 2020
B.S. in Mathematics 2020

Purdue University, West Lafayette
Pursued B.S. degrees 2016-2018
in Computer Science and Math
GPA: 3.82, with 79 credit-hours
Relevant coursework:

- CS 252: *Systems Programming*
- CS 373: *Data Mining & Machine Learning*
- MA 571: *Topology*

Skills

Programming Languages

Proficiency
Javascript, C/C++, Lisp

Experience
Java, C#, Scala, Ruby, Python, Elixir, R, MATLAB

Other Tools/Frameworks

Proficiency
Git, Linux, React, Redux

Experience
ASP.NET, Android, Phoenix

Honors

Purdue Bands Hull 2018
Scholarship Winner
Purdue Presidential 2016
Scholarship Winner
Tony Zamora Jazz 2016
Scholarship Winner
Purdue Bands Leath 2016
Scholarship Winner

my work

Work Experience

Department of Computer Science, Purdue University West Lafayette, IN
Teaching Assistant, CS 252 (Systems Programming) Summer 2018
Directly assisted students with assignments and course material. **Created and updated** instructional materials for programming labs.

Studio by Purdue West Lafayette, IN
Student Developer Intern Summer 2016, Summer 2018
Deployed a new app to tens of thousands of students alongside senior developers 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 now-live web page available to all 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

American Computer Science League Chapter West Lafayette High School
President Spring 2015 – Spring 2016
Previously *Vice President/Member* Fall 2012 – Spring 2015
Individually won 1st place in a 5-state regional computer science competition.
Taught programming and computer science concepts to about 20 members.

DevilTech Zero Robotics Team West Lafayette High School
Team Lead Fall 2014 – Winter 2015
Collaborated closely with Zero Robotics teams from around the world to write C++ code running on autonomous robots aboard the International Space Station. **Placed** 3rd in the international MIT Zero Robotics competition.

Personal Projects

kotct/dot github.com/kotct/dot
MinneHack January 2017
A tool for creating universally-available personal configurations, supporting GNU Emacs. Anyone using dot can seamlessly fetch and enable anyone else's configuration, with just a few keystrokes. We also provide sensible defaults for Emacs, lowering barrier to entry. In ongoing development.

rgb github.com/cg505/rgb
Xtern Hackathon (2nd place) July 2017
A smart color LED strip controller and interface, designed as an Elixir Phoenix server which controls the lights via an Arduino.