Christopher Cooper

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: 3.82/4, 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	
National AP Scholar	2016
Indiana HS All-State	2014 &
Jazz Band	2015
AIME Qualifier	2012 & 2014

my work

Work Experience

Department of Computer Science, Purdue University   West Lafayette, IN

Teaching Assistant, CS 252 (Systems Programming)   Summer 2018

Created and updated instructional materials for programming labs. Directly assisted students with assignments and course material. Worked closely with a small group of other TAs and the professor to maintain education excellence.

Studio by Purdue   West Lafayette, IN

Student Developer Intern   Summer 2016, Summer 2018

Focus: academicforecast.org, an app identifying successful trends for students. Deployed this 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 created functionality for the ASP.NET backend.

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 compliation of excellent dotfiles for common shells and editors. I designed the GNU Emacs configuration to be modular, lightweight, and easy to extend. It can seamlessly switch between personal configurations hosted on GitHub.

ringu   github.com/cg505/ringu

Dissatisfaction with existing Android Wear watch faces led me to create Ringu. It shows information in rings around the watch face. *On hold during school year.*

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. *On hold during school year.*