Christopher Cooper

me

Contact

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github.com/cg505

Education

Purdue University, West Lafayette
B.S. in Computer Science 2020
B.S. in Mathematics 2020
GPA: 3.86/4.0, with 64 credit-hours
Relevant coursework:
- CS 252: *Systems Programming*
- CS 373: *Data Mining & Machine Learning*
- MA 571: *Topology*

West Lafayette High School
Academic Honors Diploma 2016
GPA: 4.00/4.0, with 59 credits

Skills

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

Other Tools/Frameworks
Proficiency
Git, Linux, React, Redux
Experience
Rails, ASP.NET, Phoenix

Honors

Purdue Bands Hull Scholarship Winner 2018
Purdue Presidential Scholarship Winner 2016
Tony Zamora Jazz Scholarship Winner 2016
Purdue Bands Leath Scholarship Winner 2016
National AP Scholar 2016
NSDA National Tournament Qualifier 2015
Indiana HS All-State Jazz Band 2014 & 2015
AIME Qualifier 2012 & 2014

my work

Work Experience

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.

Studio by Purdue West Lafayette, IN
Student Developer Intern Summer 2016
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.

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.

Westside Boiler Invasion Robotics West Lafayette High School
Programmer Fall 2012 – Spring 2015
Designed and developed the team's website using Rails. Deployed a C program to organize and analyze hundreds of scouting records. Established a program with another school to create open-source scouting software.

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.*

TicTacToe github.com/cg505/TicTacToe
An exploration of AI algorithms applied to tic-tac-toe. Originally written in 5th grade, I've recently updated the code to add features like arbitrary board sizes.