Christopher Cooper

me

Contact

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cg505.com
github.com/cg505

Education

Purdue University, West Lafayette
B.S. in Computer Science 2020
B.S. in Mathematics 2020
GPA: 3.96/4.0, with 28 credit-hours
Relevant coursework:

- CS 240: *Programming in C*
- CS 251: *Data Sctructures & Algorithms*
- MA 454: *Galois Theory*

West Lafayette High School
Core 40 Diploma with Academic Honors 2016
GPA: 4.00/4.0, with 59 credits

Skills

Programming Languages
Proficiency
Ruby, Javascript, C#, Lisp
Experience
C, C++, CSS, HTML, Java, Elixir

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

Honors

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
Details to come upon completion.

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 with senior developers in a small agile-based team. Abstracted created functionality for the ASP.NET backend. Improved data flow in the React-based frontend using Redux.

Organizational 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. Shared responsibility with three other leaders to organize regular meetings.

DevilTech Zero Robotics Team West Lafayette High School
Team Lead Fall 2014 – Winter 2015
Wrote C++ code for autonomous robots aboard the International Space Station. Collaborated closely to design code with Zero Robotics teams from around the world. 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 from scratch using Rails with 3 other students. Created and deployed C program to analyze and organize hundreds of scouting records. Established a relationship with another school to create open-source scouting software.

Personal Projects

kotct/kotct.emacs github.com/kotct/kotct.emacs
A GNU Emacs configuration written with friends, structured to be easily and cleanly improved. It is able to seamlessly switch between different personal configurations for different users.

ringu github.com/cg505/ringu
Ringu is an in-progress Android Wear watch face designed to show information via rings around the exterior of the face. I created it because I was dissatisfied with existing options for watch faces.

TicTacToe github.com/cg505/TicTacToe
A small exploratory project implementing AI techniques in the game tic-tac-toe. The Lisp code includes a bot that never loses and one that tends to beat random players. The base code was written while I was in 5th grade but since has been updated to support arbitrary board sizes.