# 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: 3.97/4.0, with 28 credit-hours
Coursework in progress:

- CS 240: *Programming in C*
- CS 251: *Data Sctructures & Algorithms*
- MA 450: *Galois Theory*

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

### Skills

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

**Other Tools/Frameworks**
*Proficiency*
Git, 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 and created functionality for the ASP.NET backend. Improved data flow in the React-based frontend using Redux.

### 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 for 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/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 individual personal configurations for different users.

**ringu** github.com/cg505/ringu
I created Ringu because I was dissatisfied with existing Android Wear watch faces. It's designed to show information through rings around the watch face.

**TicTacToe** github.com/cg505/TicTacToe
A small exploratory project implementing AI techniques in the game tic-tac-toe. I wrote the base code in 5th grade but have since updated it to support arbitrary board sizes and other features.