

# 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 Structures & 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	2015
Tournament Qualifier	
Indiana HS All-State	2014 &
Jazz Band	2015
AIME Qualifier	2012 & 2014

## my work

### WORK EXPERIENCE

#### Angie's List

*Software Engineering Intern*

Details to come upon completion.

Indianapolis, IN  
Summer 2017

#### Studio by Purdue

*Student Developer Intern*

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. Improved data flow in the React-based frontend using Redux. Abstracted and created functionality for the ASP.NET backend.

West Lafayette, IN  
Summer 2016

### OTHER EXPERIENCE

#### American Computer Science League Chapter

*President*

Previously *Vice President/Member*

Individually won 1<sup>st</sup> place in a 5-state regional computer science competition.

Taught programming and computer science concepts to about 20 members.

West Lafayette High School  
Spring 2015 – Spring 2016

Fall 2012 – Spring 2015

#### DevilTech Zero Robotics Team

*Team Lead*

Collaborated closely with Zero Robotics teams from around the world to write C++ code for autonomous robots aboard the International Space Station. Placed 3<sup>rd</sup> in the international MIT Zero Robotics competition.

West Lafayette High School  
Fall 2014 – Winter 2015

#### Westside Boiler Invasion Robotics

*Programmer*

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.

West Lafayette High School  
Fall 2012 – Spring 2015

### PERSONAL PROJECTS

#### kotct/dot

*MinneHack*

A compilation 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.

github.com/kotct/dot  
January 2017

#### ringu

Dissatisfaction with existing Android Wear watch faces led me to create Ringu. It's designed to show information through rings around the watch face.

github.com/cg505/ringu

#### Docket

A virtual homework docket aimed to crowdsource homework assignments for high school classes. Since retired.

#### TicTacToe

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

github.com/cg505/TicTacToe