Samuel Mercier

2809 Covington St. – West Lafayette, IN 47906

+1 (765)-237-9542 • smercier@purdue.edu • samontea.xyz
GitHub: http://github.com/samontea

Education

Purdue University **West Lafayette, IN**
B.S. in Computer Science Honors, B.S. in Mathematics, GPA: 3.52/4.0 *May 2019*

Relevant Course Work

- Completed: CS 251 *Data Structures and Algorithms*, MA 353 *Linear Algebra II*
- In Progress: CS 381 *Intro to Algorithm Analysis*, CS 252 *Systems Programming*, STAT 416 *Probability*

Awards: Purdue Presidential Scholarship & Purdue Marquis Scholarship *Fall 2015–Present*

Technological Experience

Programming Languages/Frameworks

- Proficient: C/C++, Phoenix, Ruby, & Rails
- Familiar: Elixir, Emacs Lisp, Java, & Python

Work Experience

CS 240 Undergraduate Teaching Assistant *January 2016–May 2016 & August 2016–Present*

Assist in teaching CS 240 *Programming in C* in weekly lab classes & preparing materials (labs, exams, etc.)

Software Engineer Intern Fullstack Springbuk *June 2016–August 2016*

As an intern project led development on an onboarding application for new customers. Worked as a normal software engineer on their Rails web application. Improved frontend/backend communication.
Technologies: PostgreSQL with ActiveRecord as a wrapper, Ruby, Ruby on Rails, JQuery.

CS USB Help Room Tutor *September 2015–December 2015*

Tutored in CS 180 *Object-Oriented Programming* and CS 240 *Programming in C*.

Other Experience

BoilerMake Hackathon Executive Board (Dev & User Experience Team) *January 2016–Present*

Made a small NodeJS application with a bunch of puzzles. Help plan and organize anything relating to resources/services for the hackers.

Purdue FIRST Programs (IT Team) *August 2015–Present*

IT Director *May 2016–Present*

Currently leading development of a home brewed content management system. http://github.com/purduefirst/cms
Technologies: Elixir, Phoenix, Postgres, React, and Redux.

FIRST Robotics Team 461–Westside Boiler Invasion *2012–2015*

Lead development on a website in Rails freshman year. http://github.com/frc461/website-2013
Made a scouting system for recording data on other teams that consisted of a Node-Webkit application for data entry & viewing and a C program that processed and summarized the data sophomore year. It replaced the previous high tech paper system. The limitations artificially imposed by robotics competitions made this a surprisingly difficult problem.
I programmed the robot in C/C++ junior year. It was awesome to get to do something that did more than make lights blink.