

Samuel Mercier

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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

o Completed: CS 251 *Data Structures and Algorithms*, MA 353 *Linear Algebra II*

o 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

o Proficient: C/C++, Phoenix, Ruby, & Rails

o Familiar: Elixir, Emacs Lisp, Java, & Python

Work Experience

CS 240 Undergraduate Teaching Assistant

January 2016–May 2016 & August 2016–Present

Assisted 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 my intern project I lead development on an onboarding application for new customers. Otherwise I worked as a normal software engineer on their Rails web application.

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

I made a small NodeJS web app that served up a bunch of puzzles I wrote. For the User Experience team I help plan and organize anything relating to the resources/services for the hackers.

Purdue FIRST Programs (IT Team)

August 2015–Present

IT Director

May 2016–Present

I'm currently leading development of a homebrewed content management system for more convenient data entry. <http://github.com/purduefirst/cms>

Technologies: Elixir, Phoenix, Postgres, React, and Redux.

FIRST Robotics Team 461–Westside Boiler Invasion

2012–2015

My freshman year on the team I lead development on a website in Rails that had a stupid number of features. <http://github.com/frc461/website-2013>

My sophomore year I 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. It replaced the very high tech paper system we used to use. The artificial limitations artificially imposed on us at robotics competitions made this a surprisingly difficult problem.

My junior year on the team I programmed the robot in C/C++. It was awesome to get to do something that did more than make lights blink.