

Samuel Mercier

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📄 samontea

Education

Purdue University

West Lafayette, IN

B.S. in Computer Science Honors, B.S. in Mathematics, GPA: 3.5/4.0

May 2019

Relevant Course Work

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

Software Engineer Intern MongoDB

May 2017–August 2017

Details to come upon completion.

Web Development Intern in Support of NASA Systems Engineering NASA JSC

January 2017–May 2017

Developed software for tracking the progress of projects throughout NASA. Details to come upon completion.

CS 240 Undergraduate Teaching Assistant

January 2016–May 2016 & August 2016–December 2016

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

Helped plan and organize anything relating to resources/services for the hackers. Made a small NodeJS application with a bunch of puzzles. <https://github.com/BoilerMake/puzzles-BM4>

Purdue FIRST Programs (IT Team)

August 2015–Present

IT Director

May 2016–Present

Led development of a home brewed content management system. <http://github.com/purduefirst/cms>

Technologies: Docker, Elixir, Phoenix, Postgres, React, & Redux.

FIRST Robotics Team 461–Westside Boiler Invasion

2012–2015

Programmed the robot in C/C++ junior year. It was awesome to get to do something that did more than make lights blink. <https://github.com/frc461/rowdy-15> <https://github.com/frc461/rowdy-16>

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.

Led development on a website in Rails freshman year. <http://github.com/frc461/website-2013>

Projects

o <https://github.com/samontea/todoish> – A todo list web app with a lot of the features I like from Todoist.

o <https://github.com/samontea/pace> – A lightweight elixir performance analysis library.