

Samuel Mercier

2809 Covington St. – West Lafayette, IN 47906

☎ +1 (765)-237-9542 • ✉ smercier@purdue.edu • 🌐 samontea.xyz

Education

Purdue University

West Lafayette, IN

Bachelor of Science in Computer Science, GPA: 3.52/4.0

May 2019

Relevant Completed Course Work

- CS 251 *Data Structures and Algorithms*
- MA 353 *Linear Algebra II*

Awards: Purdue Presidential Scholarship & Purdue Marquis Scholarship

Fall 2015–Present

Work Experience

Software Engineer Backend Canopie.co

July 2016–Present

- Created a RESTful backend for the startup's social network
- Developed skills in functional programming
- *Technologies:* PostgreSQL with Ecto as a wrapper, Elixir, Phoenix

Software Engineer Intern Fullstack Springbuk

June 2016–Present

- Led development on an external and internal Ruby on Rails web app for customer onboarding in an Agile environment
- Transitioned this startup's analytics platform to a RESTful design pattern
- *Technologies:* PostgreSQL with ActiveRecord as a wrapper, Ruby, Ruby on Rails, JQuery

CS 240 Undergraduate Teaching Assistant

January 2016–May 2016

- Assisted in teaching CS 240 *Programming in C* in weekly lab classes & preparing materials

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 Team)

January 2016–Present

Purdue FIRST Programs (IT Team)

August 2015–Present

IT Director

May 2015–Present

FIRST Robotics Team 461–Westside Boiler Invasion

2012–2015

- Programmed the robot in C/C++ during the 2014 off-season and 2014–2015 season
- Led the creation of a scouting system in 2013–2014 using C, Node-Webkit, and web languages (CSS/HTML/JS)

Personal Projects

Available on [github](#).

- <http://github.com/kotct/kotct.emacs> — A multi user emacs configuration system.

Technological Experience

Programming Languages/Frameworks

- Proficient: C/C++, Ruby, Ruby on Rails, Sass, & Web Languages (CSS/HTML/JS)
- Familiar: Elixir, Emacs Lisp, Java, Phoenix, & Python

Other

- Proficient: Bash, Common GNU shell utilities, Emacs, Git, GNU/Linux (especially Arch), Vim, & Zsh
- Familiar: \LaTeX , MongoDB, SQL (especially SQLite), & Windows