

# GERARDO SOTO

gerardos@tuta.io · (205)253-0505 · github.com/grrdsoto · gerardos.net

## SKILLS

**Programming Languages:** Python, C++, JavaScript, Java

**Tools:** Django, Flask, Ajax, Command Line (CL), Docker, APIs, macOS, Linux, Windows

**Other Skills:** OOP, Git, Source Control, Web Development (HTML + JS + CSS), Agile, SCRUM, Sprints, Team Management & Leadership, Fluent in Spanish; Conversational in French.

## EXPERIENCE

### Student Software Development Intern

*Berea College Computer Science Department*

Berea, KY

July 2018 | October 2018

- Identified problem statement to develop web interface to streamline the process of assigning Professors' courses to lecture rooms and classrooms without time conflicts, saving the College registrar +300 work hours each semester.
- Worked in an agile environment, ran sprints to prototype, design, and develop solutions for the client.
- Leveraged cloud-based development environment (cloud9) Python and Flask technologies.

### Teaching Assistant

*Berea College Computer Science Department*

Berea, KY

Aug 2018 | Present

- Using guided learning principles; coach students learn data structures and effective practices in OOP in the Python and C++ programming languages.
- Advise students in mobile application development, software design & implementation, data structures, open-source software engineering, and currently human computing and interactions.

### Runestone Interactive Intern + Lead Student Researcher

*Runestone Interactive*

Berea, KY

May 2019 | August 2019

- Co-led group of interns during a 12 week span implementing questions, proof-reading and editing two open-source Computer Science books; Data Structures book and Software Design & Implementation book, leveraging git and Github during the process. Both books are in production and in-use in classrooms across the globe.
- Researched different learning methods, found positive correlation between interactive learning methods and disposition about knowledge of computer science concepts.

## COOL PROJECTS!

### Appalachian Center Database MySQL, Python, JS, HTML, CSS

Berea College, KY January 2020 - Present

Working in a group of three to design, prototype, and build a relational database and a UI for Berea College Faculty. The goal of this project is to both streamline the process of adding changing and deleting student data, and to allow users to learn more about the demographics of students at Berea College over time.

### TravelingShopper Vue.js, Express.js, JS, HTML

Revolution UC 2020 Hackathon

Won "Make the Customer's Life Easier" Category at University of Cincinnati 24-hour Hackathon. In a team of 4 designed and implemented a web application that optimizes shoppers' routes across the store to based on the items in their cart. Ran scrums and used new technology stack. Also implemented a service that simplifies oauth2 verification and talks to the Kroger API.

[www.github.com/grrdsoto/travelingshopper](https://github.com/grrdsoto/travelingshopper), [www.github.com/grrdsoto/serviceboy](https://github.com/grrdsoto/serviceboy)

### Project Paperboy Python, HTML, Linux

January 2019 - Present

Re-purposed a newspaper-vending machine by installing a display on the front-end of the machine; wrote code that runs on a Raspberry Pi that retrieves user-defined current events from user-defined regions; updates by the hour.

<https://github.com/grrdsoto/paperboy>

### Subreddit Searcher Python, Reddit API

January 2019 - Present

Using the Reddit API, built a script that pings the r/hardwareswap subreddit; notifies me when an item I am looking for is available via command line. Currently implementing email notifications.

### Automated Course Registrator Python, Selenium

August 2017 - August 2019

Created a script using Python and the Selenium library that runs at a user-specified time to register you for classes at the start of a semester. [www.github.com/grrdsoto/wakeupearly](https://github.com/grrdsoto/wakeupearly)

## EDUCATION

### Berea College

*B.A in Computer Information Science, Major GPA: 3.4*

Berea, KY

August 2016 | May 2020 (Expected)

- Received full-tuition scholarship; worked a minimum of 10 hours every week during undergraduate studies, exercising effective time management skills and expanding technical skills outside of class.

## PERSONAL INTERESTS

Chess - Music Production - Voice Acting - Photography