

GERARDO NAZAR SOTO

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EDUCATION

Berea College

Bachelor of Arts in Computer Science - 3.0 GPA

Berea, KY

August 2016 | May 2020 (Expected)

- Received full-tuition scholarship
- Relevant courses: Database Systems, Data Structures, Management Information Systems, Discrete Mathematics, Design and Analysis of Algorithms, Cybersecurity, Software Design and Implementation, Embedded Systems, Electricity and Electronics, Open Source Software Engineering, Computing and Sustainable Systems, Augmented Reality

SKILLS (ORDERED BY PROFICIENCY)

- Python, C++, JavaScript, Java
- Web Development (HTML + JS + CSS)
- Flask, Django, Node.JS
- Linux, Mac OS, Windows
- Git, Source Control
- SCRUM, Sprints
- Team Management & Leadership
- Fluent: English and Spanish; Conversational: French

WORK EXPERIENCE

Teaching Assistant

Berea College

Berea, KY

Aug 2018 | Present

- Using guided learning principles I help students learn data structures and good practices in OOP in the Python and C++ programming languages. I have assisted students in mobile application development, software design & implementation, data structures, open-source software engineering, and currently human computing and interactions.

Lead Research Assistant

Berea College

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 books; Data Structures book and Software Design & Implementation book.
- Researched learning methods, found positive correlation between interactive learning methods and disposition about knowledge of computer science concepts.

Full Stack Software Development Intern

Berea College Computer Science Department

Berea, KY

July 2018 | October 2018

- Designed and developed user-interfaces for Berea College's registrar over the span of Summer 2018 using Python and Flask. The interfaces streamline the process of assigning Professors' courses to lecture rooms and classrooms without having time conflicts, saving the registrar +300 work hours each semester.

Security Systems Technician Assistant

Berea College Public Safety

Berea, KY

August 2017 | May 2018

- Fulfill role as security systems assistant; tasked with securing visibility of cameras on campus for security using campus monitoring software, as well as producing keys for campus-wide use.
- Service physical issues with any mechanical and conventional doors on the college campus.

COOL PROJECTS

Project Paperboy Python, HTML

Re-purposed a newspaper-vending machine by installing a display on the frontend 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>

Automated Course Registrator Python, Selenium

Created a script that runs at a specific time to register you for classes.

www.github.com/grrdsoto/wakeupearly

Dynopoll.io Python, Node.JS, HTML, Docker

Created an extension for the Twitch video streaming app that helps streamers put out a poll and view their votes.

www.github.com/Pratere/Chat-poller

PERSONAL INTERESTS

Chess - Music Production - Voice Acting - Photography