

John Sangarie

john.sangarie1997@gmail.com(859) 979-2456 <https://johnsangarie.github.io/personalwebsite.20/> | [linkedin.com/in/john-sangarie](https://www.linkedin.com/in/john-sangarie)

EDUCATION

Berea College, Berea, KY

Aug 2019 - May 2023

- **BA.** Computer & Information Science
- **Relevant Courses:** Software Design & Implementation, Data Structures, and Algorithms, Discrete Mathematics, Calculus I (current), Text Analysis, Graphic Com, and Design, Computer Security (current), Computing Design Practicum (current), Android Mobile Development (audited),
- **Honors:**
 - **Berea College Full Tuition Scholarship** (\$140,168), Berea Full Ride Scholarship
 - **Dean's List** (Spring 2020)
 - **Pinnacle Honor Society**, the highest honor for non-traditional students based on academic excellence.

TECHNICAL SKILLS

- **Programming Languages:** Python, C++, Kotlin, Scala
- **Web Technologies:** HTML, CSS, Flask, Jinja, Bootstrap, Media query
- **Data Science:** PySpark, Pandas, SQL, Beautiful soup and Scrapy, Databricks and cluster configuration, Supervised Machine Learning, Matplotlib.
- **Other:** REST API integration, Android, MySQL, Jira, Pair Programming, Linux, Git/bash

EXPERIENCE

Software Engineering Intern, Sonatype-Virtual

June 2022 – August 2022

- Utilized Databricks and its cluster functionality plus PySpark to manipulate, extract, and select features from a large dataset for predictive machine learning while utilizing Jira and pair programming to increase the project speed by 5%
- Implemented one hot encoding and machine learning algorithms like logistics regression, support vector machine and gradient boosted decision tree(GBDT) using MLIB and Sk-learn and used confusion metrics and Shap analysis to determine features with greater weight.
- The project is projected to make the company millions of dollars.

Director of Technology, Africa Student Association, Berea College, Berea KY

May 2022 – Present

- Building an eCommerce website for the Association that is predicted to make at least \$3000 dollars a semester selling African products to Berea Students.
- Utilizing Bootstrap, Flask, MySQL, and GTP-3 AI for frontend, server, and database.
- Coordinate all technological needs of the Association resulting in the smooth running of events.

Office Assistant, Berea College Public Safety, Berea College, Berea KY

May 2019 – Present

- Collaborate with the Public Safety team to provide customer service to 2000+ faculty, staff, and student community members in-person and over the phone to support campus safety and security.
- Operate the campus electronic lock system following critical safety policies while supporting 50+ students, faculty, and staff weekly to enter buildings, event spaces, and residence hall rooms.
- Utilizing critical thinking and analysis skills to address student situations on a daily basis resulting in a peaceful and humid environment for the campus community.

TECHNICAL PROJECTS

- **Kid's Eat:** collaborated with a team of four to build an Android App that reminds families to pick up food donations at certain locations; saved the Kids Eat organization \$15,000. [**Java, Android Studio, Firebase**] April 2019
- **Morgan Stanley Code to Give:** collaborated with a team of two to build a mento-mentee website. [**Html, CSS, and JavaScript**] April 2022
- **Predict Apple Stocks-Sentimental Analysis:** Build a program that scrapes data from the politico website and uses sentimental analysis to determine the performance of apple stocks[**Scrapy, Beautiful soup, Sentimental Analysis, Matplotlib**] March 2022
- **Quizzypapp:** Build a Quiz app for learning about important computer science subjects [**Trivia API, Tkinter(python)**] June 2022
- **ISS Location Detector:** Build a program that detects if the international space station is above my location and sends me a text message to look it up. [**Sunrise and Sunset API, International Space Station API, Python**] August 2022

TECH CLUBS AND EXTRACURRICULAR ACTIVITIES

Member, Berea College National Society of Black Engineers Chapter (BC-NSBE)

Mar 2021-Present

CodePath: A non-profit that helps underrepresented student break into tech.

ColorStack: A tech nonprofit cultivating the strongest cross-campus community of its kind to deliver community building.

Code Together: A student-organized club that helps students prepare for Data Structures and Algorithms practices.

Other Affiliations: Active member at Black Male Leadership Initiative (BMLI), African Students Association (ASA)