Alexander Roy

alexander.roy96@gmail.com
linkedin.com/in/avgroy
github.com/avgroy

Permanent Location:
Nashville, TN
Cell: 615-512-2880

Education

University of Mississippi
School of Engineering
B.S. Computer Science
Minor in Mathematics
GPA: 3.66 CS GPA: 3.97
August 2015 - Present
Graduation: May 2019

Courses

Digital Image Processing, Data Science, Data Structures and Algorithms, Database Systems, Linear Algebra

Skills and Tools

Java, JavaScript, Python, HTML/CSS, PHP, Django, AWS, DyanmoDB, SQL, GIT

Activities

Phi Kappa Psi Fraternity
- Social Committee Co-Chair
    - Managed a $60,000 budget
- Executive Understudy
    - Liaison to University
- House Corp Liaison
- Rush Committee Captain

University of Mississippi Department of Outreach
- Assisted with engineering and computer science camps

Association for Computing Machinery

UM Robotics Club

Ole Miss Big Event

Work Experience

Amazon
SDE Intern · Advertising Engineering and Development
May 2018 – Present
- Working on an asset management solution for the Amazon Advertising API

University of Mississippi
Research Assistant · HEROES Laboratory
October 2017 – May 2018
- Conducted extensive literary review on BFS implementations for GPUs to find the best possible application for optimal graph traversals

University of Mississippi
Teaching Assistant · Computer Science Department
January 2018 – May 2018
- Taught lab to freshman and sophomore computer science students and tutored them on a weekly basis

Projects

Cellular Automata
- Interactive Web Graphic
    - Implementation of a cellular automata created with the p5 library for JS. The application allows the user to choose what simulation they would like to see generated by the mathematical model

Activity Tracker
- Image Analysis of UM campus (WIP)
    - Currently I am working on working on a python script that finds the busiest times for different food locations on campus

www.alexanderroy.me
- Portfolio Website
    - Using JavaScript, HTML, and CSS I created a personal portfolio website that works across multiple devices

Links to all projects can be found at alexanderroy.me/projects