Alexander Roy

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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 Development and Engineering
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
  Teaching lab to freshman and sophomore computer science students and tutoring 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