# Alexander Roy

aaroy@go.olemiss.edu
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
    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