

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,
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 – August 2018

Working on the Advertising Public API I created a serverless solution for asset management from the ground up. Using native AWS technologies, I created a service that handles file uploads with low latency and high throughput.

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 aforementioned mathematical model.

Activity Tracker

Image Analysis of UM campus (WIP)

Currently I am working on a python script that finds the busiest times for different food locations on campus by analyzing live feeds provided by the school.

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