DYLAN K. LOMAX

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EDUCATION

The University of Tennessee, Knoxville, Tickle College of Engineering   Knoxville, Tennessee

Bachelor of Science in Computer Science   Graduation: May 2022

Major: *Computer Science*

Major GPA: 3.5/4.0   Cumulative GPA: 3.1/4.0

RESEARCH EXPERIENCE

Tickle College of Engineering   Knoxville, TN

Computer Science Undergraduate Research Assistant   January 2020 – Present

- Front and back-end web development for World of Code (https://worldofcode.org) using MERN Stack.
- Created RESTful APIs to view and navigate database search results on World of Code.
- Documented how to use various tools on World of Code.
- Aided incoming research assistants in understanding how to use World of Code for their research.
- Performed an analysis on projects using borrowed code from open-source projects to determine if they potentially contain security flaws that have been resolved in the original project.
- Developed a WebAPI that allows you to communicate with the World of Code database though HTTP requests using CURL.

TEACHING EXPERIENCE

Tickle College of Engineering   Knoxville, TN

Fundamentals of Digital Archeology Teaching Assistant   Fall 2021 – Present

- Assisted students in setting up their computers to SSH into the docker containers used for class projects.
- Helped professor manage class GitHub page used for updates, projects, and issues that students have.
- Answered and resolved any issues posted by students to the class GitHub page.

Intro to Computers and Computing Teaching Assistant   Fall – Spring 2020

- Instructed students that did not have a technical background in computer science related concepts.
- Graded assignments and proctored exams for 150+ students.
- Collaborated with fellow teaching assistants on workload management.

TECHNICAL SKILLS

Programming Languages

- C++
- C
- Python
- Java

Scripting/Markup Languages

- JavaScript
- Bash
- CSS
- HTML
- PHP

Web Development

- React
- Express.js
- Node.js
- REST

Databases

- MongoDB
- MySQL
- Clickhouse
- Tokyo Cabinet