


MICHAEL LIAM SINCLAIR

SOFTWARE ENGINEER


CONTACT


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EDUCATION

Bachelor of Science
Computer Science

Bachelor of Science
Cybersecurity

University of South Carolina
Upstate

Anticipated Graduation Date: May
2024

Spartanburg, SC
3.9 GPA

SKILLS

Programming Languages

React.js, HTML, CSS, Java,
Python, C++, JavaScript

Frameworks & Libraries

Spring Framework, TensorFlow,
Keras, Axios, OpenCV

Databases

MySQL, MongoDB

Tools & Platforms

AWS, Git, Arduino IDE

CAREER OBJECTIVE

Aspiring software engineer with a dual major in Computer Science and Cybersecurity from USC Upstate, passionate about innovative development and teamwork. Eager for an internship in Spring 2024 or full-time opportunities post-graduation in April 2024, with a commitment to continuous learning and creativity in technology.

PROJECTS

Twitter Sentiment Analysis - Senior Portfolio Project

Full-stack Developer

January 2024 - current

- Technologies Used: Python, TensorFlow, Keras, DistilBERT, Trainer API
- Sentiment analysis of tweets using DistilBERT and a six-layer CNN, exploring the intersection of AI and social media data and applying advanced machine learning models

Skybin - Cloud Storage Application

Backend Developer

August 2023 - December 2023

- Technologies Used: React, Spring Boot, MySQL, JWT Authentication, REST API
- Developed a cloud storage application enabling users to upload, download, and manage files in a personal directory, enhancing data accessibility and organization
- Implemented user authentication and file management features to ensure secure and efficient data handling
- Designed and implemented a local MySQL relational database to securely store and manage user information

Pump Pals - Fitness Social Media Application

Full-stack Developer

August 2023 - December 2023

- Technologies Used: React, Spring Boot, MongoDB, Axios, REST API
- Created a social media platform for fitness enthusiasts to share workouts and progress
- Integrated social media functionalities with fitness tracking to encourage community engagement and user retention
- Employed MongoDB for scalable and efficient data storage of user profiles, connections, posts, and fitness activities

Concepts

Multithreaded Programming,
Artificial Intelligence
Programming, REST API
Development, Distributed
Systems, Relational Database
Design

CERTIFICATIONS

NASM Certified Personal Trainer
American Red Cross CPR/AED

Distributed and Network Programming Projects

Developer

August 2023 - December 2023

- Technologies Used: Java, Swing, RMI
- A compilation of projects illustrating expertise in distributed and network programming, highlighting advanced Java development skills
- Developed multiple applications demonstrating competencies in multithreaded programming, network communication, and user interface design
- Showcased the ability to design and implement complex software systems requiring real-time data exchange and processing

Object Detection Robot

Developer

January 2023 - April 2023

- Technologies Used: Arduino IDE, C++, Python, OpenCV
- Engineered a robotic arm capable of object detection via colors, demonstrating proficiency in hardware-software integration
- Implemented controller input functionality for manual operation, enhancing the robot's versatility and user interaction
- Programmed the robot for autonomous color detection and object manipulation, showcasing advanced programming skills in C++ and Python

WORK EXPERIENCE

Personal Trainer

Sportsclub Greenville

October 2022 - March 2023 / Greenville, SC

- Designed and implemented personalized fitness programs tailored to individual goals, emphasizing safety and efficacy, leading to significant improvements in client health and fitness
- Provided expert fitness assessments, motivational support, and adaptive workouts, while staying updated with the latest fitness trends and methodologies

General Merchandising

Target

October 2020 - October 2022 / Greenville, SC

- Ensured product availability, accurate pricing, and proper signage in general merchandise, driving consistent guest experiences and operational efficiency
- Oversaw inbound/outbound logistics, replenishment, and inventory accuracy, while executing promotional setups for improved sales performance