

ALI SULTAN SIKANDAR

111 Quad Drive Box 9621 Easton PA 18042 | (484) 541-3608 | sikandaa@lafayette.edu | <https://github.com/alisultan14>
EDUCATION

Lafayette College, May 2023

B.S. Computer Science & Minor in Economics

Easton, PA
3.75/4.0 GPA

TECHNICAL SKILLS

Java, Python, C++, C (System Verilog), HTML, CSS, JavaScript, MATLAB, FPGA, R, QtDesigner, React, Node.js Ruby on Rails, MySQL, PostgreSQL, AutoCAD, SketchUp, ArcGIS, Excel (Advanced User), Tableau

PROFESSIONAL EXPERIENCE

NeuroLeap Corporation | San Jose, CA

Feb 2021 - Present

Software Engineering Intern

- Developed the frontend of awareness blog site using React.js in an Agile development model.
- Programmed the backend features of the blog site in Node.js
- Prepared documentation for adding security measures to the company's main PostgreSQL database.

Excel Research Scholar, Lafayette College Neuro-Science Department | Easton, PA

Jun 2020 - Jan 2021

Research Student

- Generated Heat Maps from a large dataset of Virtual Maze Game that reflected participant's performance over a number of trials in Java's Processing.
- Consolidated Heat Maps differentiating atypical participants in a study to detect dyslexia in kindergarten students using Python.

Machine Learning Researcher, Ethics in Artificial Intelligence Project | Easton, PA

Jun 2021 - Present

Research Student

- Assembled a highly detailed and organized 200 point dataset of real-life ethical dilemmas faced by software developers working on Machine Learning models.
- Engineered an automated process of parsing, identifying and collecting documentary centered around ethics on open ML/AI source codes on GitHub and other frameworks.

Digital Humanities Scholar | Easton, PA

Jun 2021 - July 2021

Research Student

- Analyzed the witness accounts of the 1947 Indian subcontinent partition using the NLTK and TextBlob Python libraries.
- Presented the relevant findings on a webpage with combination of ArcGIS, HTML and CSS.

Betterment | New York, NY

Dec 2020 - Jan 2021

Web Development Extern

- Planned a "refer-a-friend" feature for the Betterment official website using Ruby on Rails.

PROJECTS

<u>Cuddly System(C++)</u>	A location-based desktop application which provides a matchmaking platform for potential pet adopters and shelter owners/foster parents.
<u>Go Pards Timer (C)</u>	An FPGA based human reaction timer which records and displays human reaction time to the nearest millisecond.
<u>Profit Simulator (Java)</u>	Analyzes the ideal conditions (working hours, employees, investments) to maximize daily financial profit of a restaurant.
<u>Shot Map (Python)</u>	Visualizes the shot Heat map of a soccer game after scraping relevant information through game id on <u>Understat.com</u> .
<u>Space Escape (Java Processing)</u>	A motion control and arcade survival game.

HONORS AND ACHIEVEMENTS

1st Place, CEAT'S Mathematics Competition, Aitchison College
Lafayette College Deans List: Fall 2019, Spring 2020, Fall 2020, Spring 2021

2019
2019-2021