RYAN LAHLOU

Software Engineer | Undergraduate Researcher

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EDUCATION

University of Texas at Arlington — *(expected)* **May 2025**
Bachelor of Science in Computer Science — GPA: **3.97/4.00**

Moore High School — **May 2021**
High School Diploma, **Valedictorian** — GPA: **4.80/5.00**, Rank: **1/563**

SKILLS

Languages: Javascript, HTML/CSS, Java, Python, C/C++
Tools/Frameworks: Git, React, Vscode, IntelliJ, Adobe CC, Figma, Fusion360, Node.js, npm, discord.js

EXPERIENCE

NSF - REU Student Researcher — Summer 2022 (3 mo)
- Designed and trained different machine learning models to procure an accuracy of ~90% on EEG and LiDAR classification using TensorFlow 2, NumPy, Pandas, and a variety of other ML libraries.
- Authored a paper and gave an oral presentation communicating innovative results at the conclusion of the program.
- Communicated daily with PI and REU partner to complete weekly sprint and project deadlines.

IBM - Accelerate Talent ID Hardware Developer Track — Summer 2022 (3 mo)
- Mentored by industry-leading IBM professionals in training sessions to develop both technical and foundational skills that covered topics such as fullstack software and hardware development.
- Engaged with a team of 3 students in multiple team projects, exercises, and final research paper.

Security and Privacy Research Lab - Research Assistant — Spring 2022 (current)
- Connected front-end to back-end in a university research setting by working closely with a PhD researcher to develop a front end interface in Python and Javascript.
- Developed table and map visualization for researchers to easily read thousands of data entries.
- Scraped thousands of data entries/hour by leveraging Twark, Twitter API, and Pandas.

PROJECTS

Threat Finder - Native application built with python, flask, pandas, folium, and twarc — Spring 2022
Application that aims to help protect users from phishing links on twitter
- Won first place out of 12 teams by developing a python app that would take phishing links on twitter, verify the illegitimacy using virus total, and visualize the data into a map and database. This work was presented at the Student Computing Research Festival.
- Presented to an audience of 100+ people and a panel of industry experts and researchers
- Utilized Twitter, Twarc, Flask, Pandas, and Folium APIs to display organization's location with html

Moorekeyclub.com - Website built with JS, HTML/CSS — Fall 2020 (6 mo)
Informational website for Key Club at Moore High School, displays upcoming events, about us, gallery
- Awarded "Best Websites" out of 84 other student submitted websites by designing, implementing, and publishing a website for Moore High School with over 7000 lines of code
- Implemented Google Calendar API to display events and information to users
- Hosted application online using web hosting solution Namecheap

RELEVANT COURSEWORK

Algorithms & Data Structures, Operating Systems, Programming Languages, Database Systems, Object-Oriented Programming, Computer Organization, Fund. of Software Engineering

LEADERSHIP & AWARDS

Presidential Scholar, Collegeboard AP Scholar, inSTEM Scholar, Association for Computing Machinery (Founder; President), UT Arlington Honors College, Mobi (Mobile Dev. Club at UT Arlington), Society of Asian Scientists and Eng. (Officer), IEEE