RYAN LAHLOU

Software Engineer | Undergraduate Researcher

(405) 719-4190
github.com/lryanle
contact@ryanlahlou.com
linkedin.com/in/lryanle

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**

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.

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 and company-funded setting by working closely with a PhD researcher to develop a front end interface and API in Python and JavaScript.
- Developed map and table visualization for researchers to easily read thousands of data entries.
- Scraped thousands of data entries/hour by leveraging Twarc, 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
- **Placed 1st** 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 200+ people and a panel of industry experts and researchers.
- Utilized Twitter, Twarc, Flask, Pandas, and Folium APIs to display bad actor locations.

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.

Skills

Languages & Libraries	Java, Python, JavaScript, C/C++, HTML/CSS, Node.js, Svelte, React
Tools & Frameworks	Git, Linux, Kaggle, Keras, Netlify, Vercel, Adobe CC, Figma, Fusion360
Relevant Coursework	Algorithms & Data Structures, Operating Systems, Linear Algebra, Programming Languages, Database Systems, OOP, Computer Organization, Fund. of Software Engineering

LEADERSHIP & AWARDS

Awards	Presidential Scholar, Collegeboard AP Scholar, inSTEM Scholar, ISACA NTX Finalist, OurCS@DFW Best Project
Leadership	Association for Computing Machinery (Founder; President), HackUTA 2022 Lead Organizer, UT Arlington Honors College, Mobi (Mobile Dev. Club at UT Arlington), Society of Asian Scientists and Eng. (Officer), IEEE