RYAN LAHLOU

Software Engineer | Undergraduate Researcher

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EDUCATION

University of Texas at Arlington
Bachelor of Science in Computer Science

(expected) **December 2024**
GPA: **3.98/4.00**

Moore High School
High School Diploma, **Valedictorian**

May 2021
GPA: **4.80/5.00**
Rank: **1/563**

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

EXPERIENCE

NSF - REU Student Researcher — *Jun. 2022 - Aug. 2022*
- 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 — *Jun. 2022 - Aug. 2022*
- 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 — *Feb. 2022 - present*
- 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.
- Built a webscraper to analyze 1000+ entries/hour by leveraging Twarc, Twitter API, and Pandas.

PROJECTS

HackUTA 2022 - Major computer science event and event website built with Svelte, JavaScript, SCSS — *Summer 2022 - Fall 2022 (6 mo)*
Founded a premiere hackathon in Dallas (top 3)
- Coordinated a team of 53 organizers, mentors, and volunteers as the lead director to host 33+ events across a 24 hour hackathon for 700+ registrants with 350+ in-person attendees.
- Consolidated with industry professionals and sponsors to raise $30,000+ for the hackathon

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.

Moorekeyclub.com - Website built with JS, HTML/CSS — *Fall 2020 - Spring 2021 (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.
- Utilized Google Calendar API to display events and information to users.

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 Director, University of Texas at Arlington Honors College, Society of Asian Scientists and Engineers (Officer)