

# 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, React, Next.js, JavaScript, HTML/CSS, C/C++, SQL, Python, Tailwind, Svelte  
**Tools & Frameworks** Git, Linux, Node.js, Docker, Kaggle, Keras, Vercel, Adobe CC, Figma, Fusion360

## EXPERIENCE

**JPMorgan Chase & Co** - Incoming Software Engineer Intern Jun. 2023

**UT Arlington** - Office of Undergraduate Research Ambassador Oct. 2022 - present

**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.
- Drafted papers and gave oral presentations displaying innovative results throughout 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

- Engineered an open source interface and API in a university research and company-funded setting by working closely with a PhD researcher in Next.js, Express, SQLite, and Node.
- 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)