

# Ryan Lahlou

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## EDUCATION

### University of Texas at Arlington

Aug. 2021 – Dec. 2024

*Bachelor of Science in Computer Science, Minor in Data Science*

*GPA: 3.98/4.00*

## TECHNICAL SKILLS

**Languages:** Javascript, Typescript, HTML/CSS, Java, Python, Go, NoSQL, SQL, C++, C, C#, Lisp, Kotlin

**Frameworks:** NextJS, ReactJS, Spring Boot, NodeJS, ExpressJS, Angular, React Native, ElectronJS, JUnit, Jest

**Tech/Tools:** AWS, Azure, GCP, Docker, Kubernetes, MongoDB/Redis, Splunk, Postman, Git, Apache Kafka/Spark, ServiceNow, Jira/Confluence, Agile/Scrum/Waterfall, Networking, Unix, Figma, Jenkins, Nginx, Wireshark, Webpack

**Libraries:** Flask, Django, Pandas, NumPy, Matplotlib, Pytorch, Tensorflow, FastAPI, OpenCV, Socket.io, OAuth2

## EXPERIENCE

### JPMorgan Chase & Co

June 2023 – Aug. 2023

*Software Engineering Intern - Trade Surveillance Team*

*Plano, TX*

- **Won 1st place** at firm-wide JPMC Global Hackathon with a project decreasing food court POS times by 40%, boosting employee checkout experience by mitigating time needed to checkout.
- **Enhanced SRE response efficiency by 35%** by developing and deploying a fullstack **React** and **Spring Boot** application 3 times in a custom CI/CD pipeline developed in 9 one-week sprints.

### IBM

June 2022 – Aug. 2022

*Accelerate Hardware Developer Intern*

*Dallas, TX*

- 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.

### National Science Foundation

June 2022 – Aug. 2022

*REU Student Researcher*

*Hybrid – Dallas, TX*

- Designed and trained different machine learning models to procure an accuracy of ~90% on EEG and LiDAR classification using **TensorFlow 2**, **NumPy**, and **Pandas**, all presented in a final research paper.

### Security and Privacy Research Lab

Feb. 2022 – Present

*Research Assistant*

*Arlington, TX*

- 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/React**, **ExpressJS**, **Postgres**, and **NodeJS**.

## PROJECTS

### HackUTA Website ('22, '23, '24) | *NextJS, Typescript (TS), MongoDB, Tailwind, SWR*

June 2022 – Present

- Developed a fullstack webapp and managed a team of 53 organizers for a **500+** student hackathon. **(\$50k+ raised)**

### Social Market Auto. Risk Engine | *AWS, Pytorch, NextJS, TS, Prisma, MongoDB*

Aug. 2023 – Present

- Led a team of 4 to design a full-stack web application, reducing auto fraud and scams by integrating social media analysis, resulting in interactive reports that decrease loss severity and frequency in the auto insurance industry.

### Social ThreatFinder | *NextJS, Typescript, ExpressJS, Postgres*

Feb. 2022 – Present

- Placed **#1 out of 12 teams** by developing and presenting a Python app at a research festival that would take phishing links on Twitter, verify the illegitimacy using virus total, and visualize the data into a map and database.

## LEADERSHIP, INVOLVEMENT, & HONORS

**Association for Computing Machinery (ACM)** | *Founder, President, Advisor*

May 2022 – Present

**HackUTA** | *Founder, Executive Director, Advisor*

June 2022 – Present

**Google DSC** | *Treasurer, Member*

Aug. 2022 – Present

**Engineering Student Council** | *Event Committee*

Sept. 2021 – Present

**National Science and Technology Medals Foundation** | *inSTEM Scholar*

Aug. 2021 – Dec. 2024

**SASE** | *Intern, Officer, Member*

Aug. 2021 – Dec. 2022

**UTA** | *Presidential Honors Scholar*

Aug. 2021 – Dec. 2024

**Moore High School** | *Valedictorian*

Aug. 2017 – May. 2021