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*

Moore High School, Valedictorian — Aug. 2017 – May 2021

TECHNICAL SKILLS

Languages: Javascript, Typescript, HTMLCSS, 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 — Plano, TX
Software Engineering Intern - Trade Surveillance Team — *June 2023 – Aug. 2023*
- **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 — Dallas, TX
Accelerate Hardware Developer Intern — *June 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.

National Science Foundation — Hybrid – Dallas, TX
REU Student Researcher — *June 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.

Security and Privacy Research Lab — Arlington, TX
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/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

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
SASE | *Intern, Officer, Member* — Aug. 2021 – Dec. 2022