

Ryan Kabir

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EDUCATION

Texas A&M University

Bachelor of Science in Computer Science and Electrical Engineering
Minors in Cybersecurity and Statistics

August 2021 – May 2025

College Station, TX
Dean's Honor Roll

TECHNICAL SKILLS

Languages: C, C++, Python, JavaScript, HTML, CSS, R, C#, MATLAB

Technologies and Frameworks: TensorFlow, Keras, .Net, Google Cloud APIs, pandas, NumPy, Matplotlib, Selenium, React, Node.js, Flask, Unix/Linux, Git, Firebase, MongoDB, Flutter, Discord API, Elasticsearch, REST APIs, GitHub, Gitlab, Azure

EXPERIENCE

Johns Hopkins University Applied Physics Laboratory (JHUAPL)

June 2023 – Present

Software Engineering Intern (Machine Learning / Cybersecurity Team)

Laurel, MD

- Champion the implementation of **machine learning** anomaly detection for **100,000+** rotorcraft collision simulation runtimes utilizing **Elastic ML** and **Python**, leading to a **90%** reduction in response time to critical system failures
- Create **python scripts** to automate real-time data visualization from **100,000+** hovercraft collision simulations utilizing **Elasticsearch REST API** and **Kibana**, saving **200+ hours** of manual data analysis per month

Frogslayer (Custom Software Development Company)

June 2023 – Present

Software Engineering Intern

College Station, TX

- Engineer robust **REST API** endpoints using **C#** and **.Net Framework** implementing the **mediator design pattern**, leading to a significant **25% decrease** in bug resolution time for user queries and elevating client satisfaction
- Collaborate on cross-functional **Agile** teams on enterprise-grade application development via **Azure DevOps** and **Jira** to coordinate **CI/CD** workflows, achieving **20%** faster development cycles driving over **\$13.2M** in revenue

Paycom

July 2023 – Present

Technology Summer Engagement Program Intern

Oklahoma City, OK

- Build **3** collaborative software projects utilizing **PHP**, **React**, **Swift**, **C#**, **Docker**, **Azure DevOps**, and **application security** including developing a **SQL Injection-proof** login to safeguard user data and an Instagram clone in **SwiftUI**

Texas A&M University Department of Engineering

May 2022 – Present

Head Undergraduate Teaching Assistant

College Station, TX

- Led **4** sections of the Python Computation Laboratory and Physics Mechanics Laboratory Courses by aiding **2500+** students in lecture and lab work twice per week driving a **70%** increase in median exam performance

LeetCamp (Data Structures & Algorithms Workshop)

August 2022 – May 2023

Program Manager

College Station, TX

- Led a weekly workshop teaching **100+ Data Structures and Algorithms** concepts in **Python** and **C++** utilizing LeetCode problems to a group of **~120 students** responsible for **650%** more internship offers in the cohort

PROJECTS

AI-ggie News | Python (TensorFlow Recommenders, Flask, Selenium), JavaScript, HTML, CSS

2022

- Created a website with a **TensorFlow Recommenders machine learning** recommendation system in **Python** trained on **1000+** Texas A&M news articles servicing **2300+** students from **100+** majors and interest groups
- Integrated a one-tap login via **Google Identity Services SDK** contributing to a **90%** decrease in average login time

LEADERSHIP

Engineering TA Organization (TAO) | *President and Founder*

August 2022 – Present

- Founded organization of **150+** teaching assistants and professors responsible for organizing exam review sessions for **4000+** students across **11** campuses driving up to a **30%** increase in "A" letter-grades

Aggie Competitive Programming Club | *Vice President and Logistics Chair*

August 2022 – Present

Aggie Coding Club | *Officer and Webmaster*

August 2022 – Present