

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, Google Cloud APIs, pandas, NumPy, Matplotlib, Selenium, React, Node.js, Flask, Unix/Linux, Git/GitHub, Firebase, MongoDB, Flutter, Discord API

EXPERIENCE

Johns Hopkins University Applied Physics Laboratory (JHUAPL)

June 2023 – Present

Software Engineering Intern (Machine Learning / Cybersecurity Team)

Laurel, MD

- Developing autonomous UAV collision avoidance systems utilizing **TensorFlow Machine Learning** and **Python**

Frogslayer (Custom Software Development Company)

June 2023 – Present

Software Engineering Intern

College Station, TX

- Managing development of **Python** and **C#** web projects on **Jira** with **Agile** development methodologies

Paycom

July 2023

Technology Summer Engagement Program Intern

Oklahoma City, OK

- Incoming Technology SEP Intern working with **PHP**, **React**, **C#**, **technical DevOps**, and **application security**

Texas A&M University Department of Engineering

May 2022 – May 2023

Head Undergraduate Teaching Assistant

College Station, TX

- Led **4** sections of the Python Computation Laboratory and the Physics Mechanics Laboratory Courses by aiding **2500+** students in homework and lab work twice per week

LeetCode (Data Structures & Algorithms Workshop)

August 2022 – May 2023

Program Manager

College Station, TX

- Led a weekly workshop teaching **100+ Data Structures and Algorithms** concepts from beginner to advanced levels in **Python** and **C++** utilizing LeetCode problems to a group of **~120 students**

PROJECTS

Carry-On | *React.js (Reactstrap), Python (Selenium), Microsoft Azure Cloud, HTML, CSS, Git*

2023

- Developed a **Selenium** web scraper to extract TSA carry-on regulation information for **~500** items
- Built a website in **React** featuring a one-tap login via the **Google Identity Services SDK** that provides carry-on item viability recommendations for **6** different airlines via a natural language processing driven key terms query

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 students from **100+** majors and interest groups

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
- Engineered an organizational bot using **Python** and **Discord API** serving **200+** course sections and increasing question forum engagement by **100%** resulting in an **11%** increase in final exam scores

Aggie Competitive Programming Club | *Logistics Chair*

August 2022 – Present

- Directing utilization of **\$10,000+** for semesterly Competitive Programming competitions of **150+** participants

Aggie Coding Club | *Officer and Webmaster*

August 2022 – Present

- Managing organization website with **3000+** active users created with **TypeScript**, **HTML**, and **CSS (Sass)**