Ryan Kabir

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EDUCATION

Texas A&M University   **August 2021 – May 2025**
Bachelor of Science in Computer Science and Electrical Engineering   *College Station, TX*
Minors in Cybersecurity and Statistics   *Dean's Honor Roll*

TECHNICAL SKILLS

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

Technologies and Frameworks: TensorFlow, Keras, .Net, AWS, REST APIs, Google Cloud APIs, pandas, NumPy, Matplotlib, Selenium, React, Node, Flask, SciPy, Unix/Linux, Git, Firebase, SQL, PostgreSQL, MongoDB, Flutter, Elasticsearch, 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+** collision simulation runtimes utilizing **Elastic ML** and **Python**, reducing average response time to critical system failures from **24 hrs** to **2 hrs**
- 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 – September 2023**
Software Engineering Intern   *College Station, TX*
- Engineered robust **REST API** endpoints using **C#** and **.Net Framework** implementing the **mediator design pattern** and seamless integration with **PostgreSQL**, driving up to **25% decreases** in bug resolution times for user queries
- Collaborated 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 across multiple **2-week** sprints

Paycom   **July 2023**
Technology Summer Engagement Program   *Oklahoma City, OK*
- Built 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*
- Lead **8** sections of the Python Computation and Physics Mechanics Laboratory Courses by aiding **2500+** students in coursework twice per week driving an increase in median exam performance for **70%** of students across midterms

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 **6.5 times** 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 **130+** 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 and effectively lead **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**