

Krishnan Shankar

Computer Engineering @ UIUC

✉ krishnans2006@gmail.com
☎ [703-559-0131](tel:703-559-0131)
📍 [6862 McLean Province Cir, Falls Church, VA 22043](#)

🌐 linkedin.com/in/krishnan-shankar
🐙 github.com/krishnans2006
🔗 krishnan.web.app

EDUCATION

University of Illinois at Urbana-Champaign
Bachelor of Science in Computer Engineering

Expected Graduation May 2027
Illinois GPA: **Pending**

Thomas Jefferson High School for Science and Technology
Fairfax County Public Schools, Advanced Studies Diploma

Graduated June 2024
Weighted GPA: **4.467**

- Relevant Courses: Artificial Intelligence (AI 1 & 2), Machine Learning (ML 1 & 2), BC Calculus (Calculus 1 & 2), Multivariable Calculus (Calculus 3), Engineering Research, Robotics, Electronics, AP Computer Science A+
- Test Scores: **1500/1520** PSAT (10/2022), **1560/1600** SAT (03/2023), **36/36** ACT (10/2022)

WORK EXPERIENCE

The MITRE Corporation - *Student Researcher*
JUN 2023 - PRESENT

- Automated creating, configuring, and testing characteristics of complex 5G network simulations
- Used this to research the effectiveness of methods for integrating non-5G devices with 5G core infrastructure

EXTRACURRICULAR ACTIVITIES/LEADERSHIP

TJ Computer Systems Lab (CSL) - *Lead Sysadmin*
JUN 2021 - PRESENT

- Managing and adding to the [TJ Intranet](#), a school-wide hub used for club signups, free printing, bus spots, etc.
- Developing and currently responsible for [Turn-In](#), a site used by every computer science class at Thomas Jefferson High School to automate collecting and grading student code submissions
- Configured and responsible for a high-availability, 3x-replicated network filesystem used by students and teachers to store their files. Migrated all data and services to the new filesystem for reliability and speed.

TJ Unmanned Aerial Vehicle (UAV) - *Club President*
FEB 2021 - AUGUST 2024

- Led a team to compete in the [SUAS Competition](#), a prestigious international UAV competition
- Designed and integrated a communications system using three radios and frequencies for safe/reliable flight control and fast image transfer
- Developed a [GroundStation](#) (Python Flask, React) from scratch to monitor, control, and process the above

HackTJ - *Technical Lead*
JUN 2021 - JULY 2024

- Maintaining the [website](#) (Svelte) for the original largest HS hackathon, with 400+ hackers yearly
- Developing a judging system (Python Flask, Firestore) from scratch to judge and evaluate projects fairly

HackAlphaX - *Technical Lead, Operations Lead*
DEC 2020 - PRESENT

- Developed the organization's [website](#) (Python Flask, HTML/CSS/JS, Firestore) from scratch