SAIPRANAV VENKATAKRISHNAN

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OBJECTIVE

Aspiring computer engineering student with experiences in Python, C, Java, and other coding languages looking to obtain an internship for summer 2023.

EDUCATION

Computer Engineering | University of Illinois Urbana Champaign
GPA: 4.0 out of 4.0
High School| William Fremd High School
GPA: 4.87 out of 4.0

SKILLS

- **Programming Languages**: Python, C, JavaScript, Java, Block, Lua, HTML
- **Technologies:** Unity, Roblox Studio, Android Studios, MCreator, GitHub, Arduino
- **Technical Skills:** Soldering, Basic Git Application, Basic Linux Application, 3D Modelling and Printing

WORK EXPERIENCE

Coding Instructor | Code Ninjas – Arlington Heights, IL   **Sept 2021 – Aug 2022**
- Designed and led class of 15+ students with curriculum focused on JavaScript, Lua, C, Block Coding, and Python
- Conducted classes that taught students to code in environments like Unity, Roblox, and Minecraft
- Provided training on GitHub to better manage data & code among all our students
- Prepared curriculum and taught the summer camp about coding in the MCreator environment

Camp Counselor | Camp Napowan – Wildrose, WI   **May 2021 – Aug 2021**
- Planned and taught daily classes about advanced scouting skills for 60+ students over the course of 6 weeks
- Trained students in the Scouting Heritage Merit Badge with a focus of the history of Scouting
- Coordinated hikes and evening bonfires for the Scouts to watch during our week-long evening programs

INDEPENDENT PROJECTS

Android Studios Kirby Game | Palatine, Illinois   **Jan 2022 – May 2022**
- Worked collaboratively to plan, design, and build a platforming game from inception to completion
- Designed and created a custom platforming engine using Java
- Programmed in the Android Studios environment, which focuses on creating apps for Android Devices

International Space Station Project | Palatine, Illinois   **Aug 2016 – Oct 2018**
- Won a competition to create an experiment from scratch, which was sent to the International Space Station
- Led the team to publish over five articles, analyse the experimental results, and present them at the ISS R&D 2018
- 3D modelled and milled the framework, fabricated and soldered custom data recording devices

EXTRACURRICULARS

SIGPwny   **Aug 2022 – Present**
- Participated in Cybersecurity classes bi-weekly and internal Cybersecurity Competitions (CTFs)
- Earned 29th/128 place the Fall CTF 2022, placing me in the top 22% of the undergraduate student body
- Currently working with their parent organization, the Association for Computing Machinery

Association for Computing Machinery   **Aug 2022 – Present**
- Member of the Social Committee, where I help plan, set up, and run weekly social events
- Member of the Corporate Committee, where I reach out various companies to sponsor ACM events
- Helping with the reinstallation and reprogramming of the ACM Vending Machine

Boy Scout of America   **Sep 2015 – Present**
- Achieved the rank of Eagle Scout with a total of 70 merit badges earned
- Planned, executed, and fundraised a project to build an exhibit at the Burpee Museum of Natural History
- Awarded the now-retired William T. Hornaday Conservation Award for my work in the field of conservation
- Organized Scouts in completing four broad-ranged Chicagoland conservation projects
- Voted into the Order of the Arrow (OA), which is also known as the Boy Scouts National Honor Society

Order of the Arrow   **Aug 2019 – Present**
- Served as Chapter Chief for my local chapter a year, where I planned monthly meetings and service projects
- Appointed to be the Website Chairman for the Chicagoland Lodge, where I maintain and update their website
- Streamlined the process of navigating pages and consistently updated pages for all the chapters and the lodge

Electronics Club   **Aug 2021 – May 2022**
- Designed, coded, and built my own RC Arduino Car
- Wirelessly controlled by two RF modules that communicate commands using different frequency channels
- Soldered together from scratch the hardware abstraction for controlling the motors using an H-Bridge