

DHRUV AGARWAL

314-285-4770 | damcw@umsystem.edu | <https://www.linkedin.com/in/dhag/> | <https://dhruvagarwal.dev/>

Education

University of Missouri, Columbia – Honors College

Anticipated Graduation: May 2024

- B.S. in Computer Science, Minor in Mathematics | **GPA: 4.0**

Parkway West High School

Graduation: May 2021

- GPA: 4.254

Technical Experience

Mizzou Informatics and Data Fusion Lab

August 2021 - Present

Discovery Fellow Research Student

- Creating AI/ML models for UAV's to aid the military in their operations – using augmented reality

MU Robotics, OpenLab

August 2021 – Present

- Leading a team on a project which combines motion sensing and physics to autonomously hit back an air hockey puck to a player using an engineered robotic arm

Mizzou Computing Association

September 2021 - Present

- Created a "Space Exploration" game in TigerHacks 2021 (3-day long hackathon)

League of Guides

December 2021 - Present

- Developing a website which eases the learning curve of the game LoL to new players
- Database contains over 150 champion guides, each with interactive tutorials, videos, etc.

SpeechKing

March 2020 - May 2021

Software Engineer, Executive Board

- Created the first fully functional website for SpeechKing in JavaScript: <https://speechking.org/>
- Increased the efficiency of lesson scheduling and planning by over 300%

Cyber-Security Club

August 2020 – May 2021

Varsity Captain

- Managed my varsity team & organized cyber-security workshops to help the community
- One of 12 out of over 3000 total teams to qualify for nationals in the CyberPatriot competition

MoonRock Technologies

June 2019 - August 2019

Summer Intern/Software Developer

- Programmed test cases and wrote automated testing programs to check whether various websites are functioning correctly using CSS and Node JS

Leadership Experience

Bal Vihar of St. Louis

August 2017 - May 2021

Teacher & Staff

- Created lesson plans, taught cultural and religious material, and planned diversity events to over 30 students in each class.

Academy of Science, Teen Science Café

January 2016 - May 2021

Youth Leader

- Planned STEM cafés where teenagers listened to speakers and participated in STEM activities.

Speech and Debate

August 2017 – May 2020

Varsity Debater

- Participated and won in multiple debate tournaments, assisted in debate team operations

Maryville University Summer Robotics Camp

July 2018 - August 2018

Teaching Assistant

- Taught advanced programming courses with EV3 & NXT robotics to 8–12-year age group kids.

Activities & Skills

Computer programming knowledge: Python, C, Java, HTML, CSS/Bootstrap, JavaScript; Unreal Engine

Computer systems knowledge: Arduino circuitry and language, Raspberry Pi, EV3 and NXT robotics

Languages known: English (native), Hindi (fluent), Spanish (intermediate)

Interests: Tennis, magic tricks, stock trading, League of Legends, table tennis, stargazing