

Education

University of Central Florida

Summer 2018 - Fall 2023 (expected)

- Major: Physics & Computer Science
- Minor: Mathematics

Experience/Projects

Robotics Club of Central Florida - Bowser

September 2020 - Present

- Bowser is the autonomous driving robot made by The Robotics Club of Central Florida.
- I created the lane detection computer vision part of Bowser to make sure Bowser stays within its lanes.

UCF Physics Research - Programmer

May 2019 - January 2020

- Part of a project that predicts states of matter given the geometry of a compound.
- I wrote the calculations for locating the atoms in space relative to each other.

HuskyCore - Owner

June 2017 - April 2020

- Developed and maintained a gaming organization that served game servers for players across the globe to make friends and have fun.
- During its time, we grew to over 400 members.

Doxsule LLC - CEO

January 2016 - July 2016

- Created a sports apparel clothing brand. In this venture, I learned the backends of business incorporation, and developing a product.

Various Personal Projects (Sources on GitHub - [GitHub.com/VijayStroup](https://github.com/VijayStroup))

- I have many personal projects that cover a range of programming languages although mainly Python.
- My latest project entails an application I made that turns PDFs into audio files via a CLI.

Skills/Awards

Technical Programming Languages/Tools

- Languages: Python, C++, Javascript, C, SQL, HTML5, CSS3
- Tools: Git version-control, Linux command line, Visual Studio Code

Clubs/About

Clubs

- Robotics Club of Central Florida

Interests

- Soccer player since 2 years old as well as volunteering to help disabled individuals play and love soccer.