

RUSHIL TALLA

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Motivated undergraduate hoping to gain experience in the field of computer science through a summer 2022 internship.

EDUCATION

UNIVERSITY OF MICHIGAN, ANN ARBOR, MI

Bachelor of Computer Science and Engineering; GPA: 4.00/4.00

APRIL 2023

Coursework: Discrete Math, Algorithms and Data Structures, Programming and Introductory Data Structures, Linear Algebra, Differential Equations, Physics Mechanics, Physics Electricity & Magnetism
Involvement: Michigan Mars Rover, Tau Beta Pi, Eta Kappa Nu, Science Olympiad Event Supervisors

FOREST HILLS EASTERN HIGH SCHOOL (FHE), ADA, MI

Diploma; GPA: 4.3/4.0, SUMMA CUM LAUDE

MAY 2020

SKILLS

Languages: C++, Python, Java, MATLAB, JavaScript

Applications: Visual Studio Code, Autodesk Inventor, Autodesk AutoCAD, Autodesk Revit, Cura, Git

PROJECT EXPERIENCE

ANSYS SUMMER INTERNSHIP

MAY 2021 - AUGUST 2021

Software Development Intern

- Redesigned code responsible for Ansys' workbench mechanical platform. Project consisted of breaking a large class previously responsible for creating all loads applied to CAD models into specific classes.
- Experienced working with object-oriented programming, templated functions, and unit testing in C++

MICHIGAN MARS ROVER STUDENT PROJECT TEAM

AUGUST 2020 - PRESENT

Embedded Software (ESW) Sub-team Engineer

- Developed code for a project team that creates a rover to be used in a competition over the summer
- Programmed a Color Sensor, Accelerometer, and IMU in Python while working with other sub teams

ARDUINO THERMOMETER USING NTC THERMISTOR

JANUARY 2020

Project for Science Olympiad Detector Building Event

- Used Arduino to convert voltage across a thermistor (in a 3D printed probe) to a readable temperature
- Practiced 3D modeling, 3D printing, coding microcontrollers, and testing/applying code

LEADERSHIP

HAWK HALLS PROGRAM AT FOREST HILLS EASTERN

JUNE 2019 - PRESENT

CO-FOUNDER

- Co-created a school wide point-based competition where students competed in teams containing students from different grade levels; designed to foster a sense of community between the grades
- Programmed a google sheet to automatically add points scored by different teams, create graphs that portray point totals, and display the graphs to the school TVs on a time-based schedule

OZOBOT TECHNOLOGY REDESIGN PROGRAM AT FOREST HILLS EASTERN

MAY 2019 - PRESENT

CO-FOUNDER

- Co-created a program aimed to teach students how to best use the technology around them and expose them to the field of computer science. Students learn to code and use programs like google docs/sheets.
- Selected content to teach, created worksheets, formed quizzes, and organized content on a website so assistant teachers and students had easy access to the required content