Timothy Parisi

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OBJECTIVE

Dedicated and collaborative Notre Dame engineering student seeking an opportunity to be part of a team focused on solving problems through programming. Able to grasp new concepts quickly. Strong communicator.

EDUCATION

University of Notre Dame | South Bend, IN — Graduation: May 2026
Bachelor of Science — *Cumulative GPA: 3.8*
Major: Computer Science - Engineering — Dean's List; Spring 2023
Minor: Engineering Corporate Practice

TECHNICAL SKILLS

- Proficient in programming (Java, Python, C, C++, MATLAB, HTML + CSS, Git, Bash/Shell Scripting)
- Proficient in Linux, SolidWorks, Unity, Microsoft Excel

LEADERSHIP AND ACTIVITIES - TECHNICAL

Robotic Football Club | South Bend, IN — September 2022 - Present
Club Secretary / Code Team Developer

- Program and develop the website using JavaScript and HTML that is used to remotely configure and troubleshoot errors with 20+ robots
- Program Raspberry Pi's with Python and shell scripting to interface with Bluetooth controller and motors
- Setup a Linux Laptop with all the programs that are necessary for the club
- Compete annually with other college programs
- Organize club resources (Google Drive, GitHub, Slack) and send out announcement emails to club members
- Continue to build on 4 years of robotics knowledge developed in high school

EXPERIENCE

Planet Bravo Techno-Tainment Camp | Eagle Rock, CA — June 2023 – August 2023
Instructor

- Taught middle school students different computer programs such as Unity
- Collaborated with a team of counselors to enhance learning environment and provide mentorship

RELEVANT COURSEWORK

- Fundamentals of Computing
- Engineering Computing
- Discrete Mathematics
- Linear Algebra
- Introduction to Embedded Systems
- Logic Design
- Data Structures
- Systems Programming

PROJECTS

Data Sorting Project | South Bend, IN — March 2023 - May 2023

- Collaborated with a partner to create a program that organized a large batch of data into digestible charts and graphs
- Learned how to write a program that can interact with programs written by others

Embedded System Project | South Bend, IN — March 2023 - May 2023

- Designed an electronic circuit that replicated the sensors that would be useful in an automobile
- Used multiple sensors and actuators to interface with the outside world
- Wrote a program that allowed the system to react to the inputs it received

Valve Design Project | South Bend, IN — September – November 2022

- Designed a butterfly valve in a group of four using SolidWorks over the course of multiple iterations
- Tested a 3D-printed model of the valve and analyzed the data from each test in Microsoft Excel