

EDUCATION

Pennsylvania State University*Erie, PA*

Bachelor of Science, Software Engineering

Expected 05/2023

Current GPA: 3.2

Programming: HTML (Intermediate), CSS (Intermediate), JavaScript (Intermediate), C++ (Intermediate), Python (Proficient), Java (Proficient)

Courses:

Software Engineering 1 & 2, Data Structures and Algorithms, Object Oriented Software Design and Construction, Intermediate Programming, Introduction to Programming Techniques, Ordinary Differential Equations, Calculus with Analytical Geometry 1 & 2, Elementary Probability, Physics Mechanics 1 & 2, Discrete Mathematics for Computer Science, Introductory Microeconomic Analysis and Policy, and Matrices

ACTIVITIES & LEADERSHIP

Computer Science Club*Erie, PA**Student Manager**09/2019 – Present*

- Help teach students to develop and design websites using HTML and CSS.
- Taught students how to develop a real Tetris using Java.
- Assist in setting up training sessions for students interested in coding.
- Collaborate with other members to identify various programming techniques.
- Assist the organization leader with teaching members programming skills.

Programming Projects*Erie, PA**Student**09/2019 – Present****Student Library Management System****October 2020 – November 2020*

- Created a database for teachers to store information regarding library book rentals and student information.
- Created various UML diagrams to incorporate user's needs for an efficient interface.
- Created storage for students to input their information for future retrieval.
- Programmed Primarily in C++.

Group Networking Application*May 2021- July 2021*

- An Android application that enables students to access their class group information.
- Created using Android Studio and utilizing Rest API's.
- Strategizing the development using various UML diagrams.
- All information was stored directly in an Amazon Cloud Server.
- Programmed Primarily in Java

Machine Programmer*Union, NJ**Programmer**09/2015 – 05/2018****Automated Pulley System***

- Programmed and automated a conveyer system to place packages into boxes.
- Built from scratch to help minimize physical labor in the warehouses.

Vehicle with Hydrogen Power Source

- Create a vehicle connected with water storage to help move the car.
- Using solar panels as a power source it was able to find alternatives to fuel.
- Programmed and automated to function using water and light.

Remote Vehicle with Suction Device

- Programmed and created a vehicle from scratch that was able to be controlled through a remote.
 - Vehicle was designed to pick up a ball into the body of the vehicle and launch it across the room.
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SKILLS

- **Languages:** Fluent in English and Gujarati; Basic conversational Hindi and Spanish
- **Development Software:** Microsoft Visual Studio, Repl.it, PyCharm, JetBrains, Atom
- **Clouds:** Amazon Web Services
- **Framework:** React