

SHAWN DE PEDRO

Work Title (TBD)

EDUCATION

High School

Corning-Painted Post High School

Courses Taken:

- Environmental Sciences
- Chemistry
- Physics
- Algebra 1 & 2
- Geometry
- ACE CAD SOLIDWORKS 1700*
- IB Analysis and Approaches*
- AP WORLD HISTORY*

END GPA with 4.0

*Weighted 1.05

JOB HISTORY

Swim Instructor

- Swim instructing at the Middle school for Southern Tier Aquatics.
- Teach kids from 3-15 years old
- Teach how to swim from the basics up ensuring safety while having fun
- Making sure that they learn how to swim properly with competitive form.

COMMUNITY SERVICE

Coding Club & Def.init

- President of Def.init and Coding Club
- Teach highschooler and Middle Schoolers
- Teaches about code and also about the bridge to hardware as well using Arduinos and Raspberry Pis.
- Help found Coding Club in 2023
- Help found Def.init in 2024
- Teach kids how to code in an age where coding is everywhere in the skilled workforce.
- **Did grant work to receive money from companies that allowed us to do what we do to teach people the best to our ability.**

Baseball concession stand

- Volunteer at my local baseball concession stand.

CONTACT INFO

 +1-607-271-2971

 www.shawnymedia.org

 depedroshawn@gmail.com

 24 Chatfield PL E,
Painted Post, NY

INVOLVEMENT

Swimming

- Varsity swim & Club swimming with STAQ
- Swam in state qualifiers and finals
- Swimming for over 7 years and going.
- Developed Leadership qualities of leading a team and being a team player

Soccer

- Play soccer on Junior-Varsity, Modifier
- Captain and do club in the spring.
- Played soccer for 14 years and going
- Developed leadership skills

Future Business Leaders of America

- Went to New York's FBLA States
- Qualified for Finals
- Got 5th on Intro to Business Presentation

Shawny Media LLC

- Founded in 2025
- Specialize in Digital Marketing Agency
- Help local businesses expand sales and expand
- A crew of 3 highschoolers
- Head Coding Developer
- Created a set of Demo products to display

Experiences

Appalachian Stem Academy Bridge Program

- Created an Automatic Length Measuring Tool using Photodiodes with University of Tennessee Knoxville Professor
- Learned how to use Arduinos and circuits.

Appalachian Stem Academy High School Program

- Research Intern at Oak Ridge National Lab working on optimizing energy usage of supercomputers for 2 weeks with Jerry Sherrod
- Did research on Photons and making quaternary infrastructure concepts to use less bits to store more data
- Photons also allowed for less cooling and heat generation which helps save power and be more power efficient.

Experiences Cont.

Intro to Machine Learning and AI at Carnigie Mellon

- Learned about Machine Learning, and Neural Networks
- Learned about MNIST Dataset and other datasets
- Used Keras Neural Network to identify objects and people. Creating a Face Recognition system.

John Hopkins CTY 2023 Cryptography at Lancaster, PA

- Taught by David Perry in the National Security Agency
- Learn Cryptography from Caesar Cipher, to modern day AES Encryption.
- Learned the processes and functions in order to crack, encrypt and decrypt these codes.

SKILLS

Name:	Rating out of 5:	Description:
 mongoDB		Used mongoDB a little bit to create an AI workout app named FitsaveAI.
 A X I O S		Axios I use in backend a lot with Express JS to setup and get routes from frontend to backend.
 React / TS		React JS and Typescript for the frontend interactions. Helps make websites very interactive and interesting.
 HTML CSS		Can create proper HTML Structure for Pages and items along with making them visually appealing to the eye
 Python		Moderate at Python, did CS50 AI Course, but did not take certification, have good knowledge and can make ML Models and feed data.
 C		Used C in Arduino coding, teach kids basic C coding and how to use Arduinos
 C++		Made a simple bash code for macros and listeners on computer, did it to afk Roblox game
 Postgres		Good at creating proper database structure and setting up one with Json storage.
 Java		Created Minecraft Plugins with Web3 Features and APIs allowing to connect to the blockchain to read nfts and added P2E Infrastructure
 SolidWorks 2024		Certified SOLIDWORKS Associates. Understand basic modeling features on the feature tab, simulations and more complex features