Daniel Marzari

https://github.com/DanielMarzari
dan.marzari@gmail.com
(516) 972-2430

EDUCATION

Cairn University, Computer Science and Pastoral Ministry (B.S. expected May 2022)
Langhorne, PA| Aug 2018 - Present

Lynbrook Public High School, (Advanced Regents Diploma with Honors in Math and Science)
Lynbrook, NY| Sep 2014 - June 2018

EXPERIENCE

Cairn University, Campus Services Intern
Langhorne, PA | May 2021 - Present
- Built an interface to monitor, automate, and manually control the University's HVAC system (in progress).
- Optimized University HVAC operations for energy-cost efficiency.

Cairn University, Marketing Operations Student Worker
Langhorne, PA | September 2018 - Present
- Developed applications to automate data entry and mass printing that has saved the University upwards of $15,000.
- Supervised data integrity in the ERP system for the Admissions and Marketing departments.

Google Inc, Computer Science Summer Internship
New York, NY| July 2018
- Highly selective computer science immersion program facilitated by Google engineers.
- Chosen as one of 30 students to participate in hands-on coursework based in JavaScript, Python and App Engine.
- Final project consisted of building a full-stack web application within a three-person team and presentation to an audience of engineers, peers, friends and family. Responsible for front-end JavaScript functions and back-end connections to App Engine in Python.

Science Research, Application Developer
Lynbrook, NY| May 2016 - September 2016
- Created a program in VB .net for a research team in Budapest, Hungary that gathered data for research on the Uncanny Valley Effect (https://tinyurl.com/4h2xhkka).

Lynbrook High School Robotics Club, Team Programmer
Lynbrook, NY | September - February 2014-2015, 2016-2017 (Captain)
- Developed an interface with functionality according to the engineer's design.
- Served as co-captain of the team and oversaw engineering design and programming during the 2016-2017 school year.

ACTIVITIES

Urbana Hackathon, Participant
St. Louis, MO| December 2018
- Volunteered to design a feedback mechanism for an international radio station looking to ensure global signal quality.
- Helped delegate work and manage teams to meet project objectives in a timely manner.

Student Leadership University 201, Attendee
Washington, DC| July 2017
- Learned practical and relational skills that are necessary for leadership and vision from world-class speakers.

COURSEWORK

Computer Science A (AP)
Essentials of Networking
Intro to Computer Science
Computer Organization & Architecture
Database Design Concepts
Data Structures & Algorithms
Software Engineering
Web Applications
Programming Languages
Operating Systems

SKILLS

Proficient:

Java
Python

Experience with:

SQL
PHP
JavaScript
VBA
Google Scripts
Arduino C

Frameworks / Libraries:

NumPy
jQuery
Bootstrap

Other Skills / Concepts:

API Implementation
Data Standardization
Quantum Computing

INTERESTS
Quantum Algorithms
Linguistics
Translation