

Gian Armando Membreño Casanova

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EDUCATION

NEW YORK INSTITUTE OF TECHNOLOGY

Bachelor of Science | **Major:** Computer Science | **Minor:** Technology Entrepreneurship

Cumulative GPA: 3.5/4.0

3 Deans List Awards

New York City, New York

August 2019 — May 2023

ESCUELA INTERNACIONAL SAMPEDRANA

Cumulative GPA: 3.6/4.0

San Pedro Sula, Honduras

Sept. 2015—June 2019

SKILLS

Languages: Native English, Native Spanish, Elementary French

Computer Languages: Java, Python, JavaScript, Swift, HTML, CSS, VB.NET

Databases: MongoDB, SQL

PROFESSIONAL EXPERIENCE

Geospace Technologies

Information Technology Summer Intern

New York City, New York

June 2022 – August 2022

- Enhanced a current **VB.Net** application by adding parsing of nested encapsulated XML data for insertion to new **SQL** tables without needing to leave the application.
- Automated the financial department's process from using forms into a new **VB.Net** application that enabled easier user access and deeper data collections for auditing.
- Deployed application using **Azure DevOps** pipelines into the company's production directory.

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CEO

San Pedro Sula, Honduras

July 2020 – July 2021

- Designed all the webpage's UX/UI using **HTML**, **CSS (Bootstrap)** as well as **JavaScript** to add dashboard functionality and responsiveness.
- Managed **SQL** database inventory and users using **PHP** hosted on **Bluehost** server.

Trans-Express

Chief Data Management Intern

San Pedro Sula, Honduras

April 2019 – August 2019 // April 2020 – August 2020

- Audited **Excel** spreadsheets for warehouse inventory.
- Modernized tax calculations using **Python** and **Pandas** to visualize sectional costs.
- Maintained **SQL Database** that catalogued cargo details.

New York Institute of Technology

Participant

New York City, New York

September 2020 – Present Day

- Data Structures** – Assisted in the development of the research paper “Deconstruction of the Abstraction of Computer Languages.”
- Operating Systems** - Programmed a Round-Robin CPU scheduling simulation in Java.
- Computer Networks** – Created a Data Link Protocol for data transmission.
- Design/Analysis of Algorithms** - Modeled the Traveling Salesmen problem and its computational complexity.
- Programming Lang. Concepts** - Developed a IOS application to recommend daily attire according to weather conditions.

RELEVANT INFORMATION

Supplemental Personal Courses:

- Python for Finance
- Time Series Analysis in Python
- Forage Goldman Sachs - Virtual Engineering Program