

# Sebastián Denhi Vega Saint Martin

[svsm03@hotmail.com](mailto:svsm03@hotmail.com) | [linkedin.com/in/svsm03](https://www.linkedin.com/in/svsm03) | [github.com/v3gaaa](https://github.com/v3gaaa)

## EDUCATION

**Instituto Tecnológico y de Estudios Superiores de Monterrey**

*Undergraduate Engineering Degree in Computer Science*

Guadalajara, Mexico

*August 2022 - May 2026 (Expected)*

## PROJECTS

**Virtual Assistant** | *Python, CSS, HTML, JS*

April 2023

- Created a virtual assistant as a side project to manage my PC.
- Utilized python for the backend implementing speech recognition functions and other features.
- Developed the frontend utilizing HTML,CSS,JS making a intuitive UI.

**E-commerce simulator** | *C++*

November 2022

- Created an E-commerce simulator in C++, implementing object-oriented programming principles to ensure code modularity and reusability.
- Utilized file handling techniques to store and retrieve product information and transactional data, enabling efficient data management.
- Emphasized good programming practices, including error handling, code optimization, and testing, to ensure a robust and reliable application.

**PISA Learning Improvement Project** | *Python, Tkinter, Pandas, Excel*

October 2022

- Developed a dynamic reading habits improvement program for high school students using object-oriented programming, and database management techniques.
- Designed a easy-to-use graphic interface using Tkinter that simplifies the questionnaire process.
- Leveraged the pandas library and Excel to seamlessly manage large datasets and effectively store user information.

**DVD Database** | *Python, sqlite3*

May 2022

- Designed and developed an application for easy access and editing of a DVD database
- Created a DVD management tool that streamlines the editing process and enhances the user experience
- Collaborated with a team of three to complete the project over a two-week period as part of a final project for a high school elective.

## EXPERIENCE

**Python Automation Challenge**

April 2023

*Baxter*

- Competition on network automation, where I came 4th.
- I connected to a Baxter database server using the putty CLI.
- Utilized python and the Netmiko library to make changes to the interfaces and automate the network.

**Software Development Professional Fundamentals**

February 2023

*Microsoft*

*Remote*

- Acquired knowledge of AGILE methodology for efficient software development.
- Gained familiarity with ACID principles for reliable data management.
- Developed proficiency in data structures and algorithms.
- Learned good programming practices for developing robust software applications.

**Python University**

2022

*Udemy*

- Completed a comprehensive Python course from basic to advanced level.
- Gained hands-on experience with popular frameworks including Django and Flask.
- Practiced with CSS and HTML.
- Developed multiple projects to showcase my proficiency in Python.

## TECHNICAL SKILLS

**Languages:** Python, C++, Matlab, SQL

**Tools:** VS Code, Git, Github, PostgreSQL

**Libraries:** NumPy, Pandas, Matplotlib, Tensorflow,Tkinter, sqlite3

## LANGUAGES

- English - Fluent (C2)
- Spanish - Native
- French - Intermediate