

## Education

### ***B.S. Software Engineering***

Universidad Politécnica de Victoria (UPV), Cd. Victoria, Tamaulipas

September 2021 – Present

Global Average: 92/100

- **Data Base Administration:** Manage database elements through the structured language of consultation for information retrieval, user management and resource efficiency.
- **Management Skills:** Develop planning strategies, quality tools, and negotiation techniques to perform management skills.
- **Networking Interconnection:** Interconnect extended data networks based on Internet addressing protocols, and monitoring techniques to solve information transfer.
- **Mathematics for Engineering II:** Solve differential equations through analytical methods, Laplace transforms, and numerical methods to help solve engineering problems.
- **Object-Oriented Programming:** Resolution of computational algorithms through the object-oriented programming paradigm for problem-solving.
- **Operating Systems:** Manage Operating System (Linux) through the command-line interface and administrative, design, and simulation tools.

## Projects

### ***English Tutoring***

#### **Freelance**

Cd. Victoria, Tamaulipas, MX

2022-Present

- Provided tutoring to K12 students in English courses.
- Performed translation, presentation, and essays in any format in the English language.
- Promoted the usefulness of learning a second language to students.

### ***Automatic report with OpenStudio.***

#### **dbHMS: DataBased + research studio**

Chicago, Illinois

Summer 2021

- Created an automatic report uploader in Ruby to manage the thousands of reports from a company.
- Promoted the use of OpenStudio in companies to solve struggling issues.

### ***Research and development analyst***

#### **Associated with Universidad Politécnica de Victoria (UPV)**

Cd. Victoria, Tamaulipas, MX

January 2023

- Developed a code with interpreted language and sentiment analysis.
- Document the results in order to write a scientific article to publicize the situation of UPV students in the face of the COVID-19 health emergency.

## Skills

## Credentials

- **Coding:** Python, Java
- **General software:** Microsoft Word, Microsoft PowerPoint, Microsoft Excel.

- **Introduction to Cybersecurity**
- **CCNA: Switching, Routing, and Wireless Essentials**
- **PCEP – Certified Entry-Level Python Programmer**

## Leadership and activities

## Languages:

- **UPV Serenade Group:** Guitar and vocals member.
- **Varsity Basketball Team:** Member
- **Mexican Robotics Tournament – Development of autonomous car:** Member

- **Spanish, native language.**
- **English, bilingual.**
- **French, basic.**