SEBASTIAN PONCE

Puebla, Mexico

📞 +52-2381236041 ✉ poncegramming@gmail.com 🔗 sebaspv ⊙ sebaspv

EDUCATION

Benemérita Universidad Autónoma de Puebla   **August 2020 – August 2023**
*High School - **GPA** - 93%*   *Puebla, Mexico*

COURSEWORK / SKILLS

- API Development
- Microservices
- Natural Language Processing
- Computer Vision
- Artificial Intelligence
- Frontend Development
- GPU Programming
- Deep Learning

PROJECTS

EstudIA ⧉ | Python, PyTorch, FastAPI, Docker   **November 2021**
- An NLP API that generates FAQs in Spanish based on a text prompt.
- Uses FastAPI with Uvicorn to deploy using a Docker container.
- Built T5 Transformer models to generate and answer the questions.
- EstudIA Image on Docker Hub

EasyTravel ⧉ | Python, MongoDB, FastAPI   **October 2021**
- A social media app that lets natives recommend traveling locations for tourists visiting their region.
- Built EasyTravel's location storage system API with MongoDB and FastAPI.
- Deployed API to Linode Cloud with Docker.
- EasyTravel on Devpost

Do It in Keras ⧉ | Python, TensorFlow, Keras, OpenCV, Jupyter Notebooks   **March 2021**
- A Keras monorepo built for beginners to learn Keras, from basic tabular prediction to generative deep learning.
- Built EasyTravel's location storage system API with MongoDB and FastAPI.
- Deployed API to Linode Cloud with Docker.
- Won 3rd place in MLH's Hack Around The World hackathon.
- EasyTravel on Devpost

INTERNSHIP

Ninjo ⧉   **November 2021 – March 2022**
Machine Learning Engineer
- Developed a Helpline Recommendation System to recommend helplines from the user's location if they're feeling down.
- Fine-tuned an NLP-based Chatbot to predict what the user is feeling based on a prompt that describes their situation.
- Trained custom Transformer neural networks to allow for automatic filtering of emotional stories based on a prompt that describes how the user is feeling.

TECHNICAL SKILLS

Languages: Python, JavaScript, C++, SQL, NoSQL, MATLAB
Technologies: Docker, Amazon Web Services, Google Cloud, Databricks, Git, GitHub, MongoDB
Frameworks: TensorFlow, PyTorch, Flax, FastAPI, Django, Flask, Express

AWARDS

Hack The Valley V ⧉   **October 2021**
University of Toronto at Scarborough   *2nd Place Overall*
- Created My MedicAid, a platform for doctors in the pandemic to log their patients' symptoms and predict possible diseases based on them.
- Made a custom disease prediction system with Infermedica, a 3rd party medical AI API, served to the cloud using Docker and a REST API built with FastAPI.

Data Day Grind 2 ⧉   **October 2021**
Major League Hacking   *2nd Place Overall*
- Coded CollegeLoans, a web platform for high school students to predict their most possible schools to get into based on their SAT scores and location, to then predict their college debt based on their annual income.
- Built a custom API with TensorFlow and Keras to predict college debt on a monthly basis.