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| Portfolio: https://victoriapuck15.github.io/  linkedin.com/in/victoriapuckkaram  vbp5103@gmail.com |

Victoria Puck-Karam

Aspiring Data Science Intern

# Education

**B.S. Computational Data Science Class of 2024**

*Penn State College of Electrical Engineering and Computer Science*

Minor in Mathematics & Engineering Leadership Development

# Experience

**Data Science Intern, MAXAR Intelligence Inc. May-August 2022**

*Enterprise Geospatial Information Solutions*

* Surfacing actionable insights from large-scale historical sales and geospatial data sets and visualizing data using an ESRI dashboard, to advise optimization and effective data-driven decision making essential to intelligence customers and in advising the sales execution teams
* Executing the business understanding step of the data science life cycle by facilitating interdisciplinary communication to translate client, product manager and sales team asks into executable technical tasks
* Automating robust ETLs (python & SQL) using an Apache Airflow server (AWS) to ingest data from S3 buckets into PostgreSQL RDS
* Training and deploying KNN machine learning in AWS using lambdas and services to predict geospatial yield and imagery availability
* Deriving data understanding through performing statistical analysis using Scikit learn, PyMC and NumPy and producing preliminary visualizations with matplotlib, Seaborn and PyPlot, as a precursor to modeling and finalized visualization

**Research Assistant, Penn State University Nov 2020-May 2022**

*Website Accessibility Project*

* Developing Python algorithms to automate data analytics of elements in Digital Healthcare, to draw insights about the accessibility of essential healthcare services.
* Utilizing web-harvesting technology to extract data from 10,000 US hospitals’ user interfaces
* Normalizing and wrangling web scraped data for analysis

**Facilitation Intern, World in Conversation Aug-December 2021**

*Penn State University*

* Exercising adaptive leadership techniques to establish open communication and mutual trust
* Managed conflict in small groups for an entire semester by allowing space for all ideas and beliefs at the largest university dialogue center in the world

# Projects (Con’t in portfolio)

**Supply & Demand Dashboard:** Building a dashboard to visualize supply and demand metrics, using a rendered a web map with layers to uncover supply insights to support the sales team in seeking out contracts, sales/building prospects and optimizing the creation of realistic customer expectations.

**X-READ:** Designed Machine Learning algorithm, trained with a National Institute of Health (NIH) X-RAY database, to diagnose illnesses from an X-RAY scan, aimed to combat the rural healthcare crisis.

**Spot-Suggest:** Creating a selection of music suggestions based on a user's playlist, based on several musical metrics, using the cosine similarity calculations & vectorized data to return 40 songs that are mathematically most similar.

**Spotify Plotter:** Visualizing users' listening history in the moral alignment plane, based on attributes of the users' song history such as acousticness and speechiness using Spotify API, connected using spotipy.