

### SKILLS

**Languages & Frameworks:** Python (Pandas, Scikit-learn, FB Prophet, SciPy, SpaCy, PyTorch, NumPy, Plotly, Seaborn, Vega-Lite, Altair), Java, R, SQL, Amazon Web Services (SageMaker), Google Cloud Platform (BigQuery, AI Platform), Google Plx, Apache Kafka, Spark, Hadoop

**Statistics and Machine Learning:** Probability & Causal Inference, Optimization, A/B Testing, Natural Language Processing (Knowledge Graphs, Language Modeling, etc), Classification & Clustering, Neural Networks

**Business Software:** Tableau, Google Data Studio, Power BI, Google PLX, Microsoft Office, G Suite

### WORK EXPERIENCE

#### Accenture, Advanced App Engineering Analyst (Consulting)

May 2021 - Present

##### Google, Data Science Practitioner

November 2021 - Present

- Support FANG app by forecasting app marketing metrics using machine learning methods and domain knowledge. Reduced project lead time by almost 50%; improved accuracy by 40% when I onboarded.
- Built prediction models using multilayer perceptron regressor, random forest regressor and FB Prophet model at over 90% R<sup>2</sup>.
- Built budget allocation / optimization models using Facebook's Robyn package in R and assisted the client team with building the model-to-dashboard pipeline.

##### Google, Analytics Consultant

June 2021 - November 2021

- Support FANG internal department by translating business requirements to data analytics solutions.
- Identified client analytics requirements and developed a large scale dashboard for internal use using Google PLX and SQL in an agile process.

#### Data Science Consulting, Consultant

Jun 2020 - May 2021

- Deployed a voltage sag classifier in Amazon SageMaker for Powerside Inc. The logistic regression model detected anomalies at 98% accuracy and reduced \$2,500/month in computing costs.
- Increased donations and operation efficiency for Nehemiah Gateway USA by working on a marketing and fundraising analytics dossier including NLP text analysis on newsletters, social media visualizations and A/B testing for email blasts.
- Defined business strategies for a gaming start-up through creative user-friendly dashboards for game platforms, vehicle data and product market research.
- Transformed client operations by building a MySQL database for their hotel and spa in Vietnam.

#### ViviendasLeon, Data Scientist

Jan 2020 - Jan 2021

- Created efficient data pipelines while adjusting to poor conditions (rare wi-fi, old tablets, etc).
- Improved farming outcomes by building a classifier to predict the crops that would fail in different seasons.
- Maximized volunteer farming data learnings by creating Tableau dashboards and teaching leadership and volunteers how to use them to answer ground operation questions.
- Increased marketing engagement by 50% by analyzing data and providing actionable insights using Python.

#### UC Berkeley Student Affairs, Communications Analyst

Sep 2019 - Jan 2021

- Developed custom linear regression models for incoming student data to boost program engagement.
- Created metrics system for the department through data studio dashboards of social media/website analytics.
- Led focus groups with content consumers to develop reports with quantitative and qualitative insights.

### EDUCATION

**MS:** Master of Information and Data Science. **University of California, Berkeley, CA**

Aug 2022

**BA:** Data Science. Minor: Business/Industrial Analytics. **University of California, Berkeley, CA** (GPA 3.9)

May 2021

**AS:** Engineering Science and Mathematics. **Bergen Community College, Paramus, NJ** (GPA 4.0)

May 2019

### AWARDS & OTHERS

**Associations:** Phi Theta Kappa (Board of Directors), Phi Beta Kappa, DataGood @ Berkeley (Project Manager), Jack Kent Cooke Foundation (Scholar), NJ Council of County Colleges (NJ Student of the Year).

**Publications:** "Effects of ASMR on Anxiety" (Civic Scholar 2019 issue), "Ennie & Entropy" (Amazon #1 Release in STEM Education), "Trigonacci: Trigonometry Based on the Fibonacci Spiral" (First Place - STEM C<sup>2</sup> Regional Conference).

**Languages:** English (native), Albanian (native), Spanish (advanced).