

# Narek Bayramyan

Data Scientist/Machine Learning Engineer/Data Engineer

Data science and software engineering student with strong analytical mindset and business acumen. Skilled in python, C and java with working knowledge of spring boot. Ability to lead a team and instill confidence in others. Comprehensive understanding and application of different machine learning/deep learning algorithms. Proficient in frameworks like PyTorch, TensorFlow and LangChain and open-source and paid Gen AI technologies(LLM models : Llama2, OpenAI, Gemini Pro)

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5042153662

leetcode.com/narekob1998/ github.com/narekob1998?tab=repositories

## WORK EXPERIENCE

### Deep Learning Specialist

Louisiana State University : College of Mathematics,

#### Mathematics Consultation Clinic

*05/2023 - 08/2023, Baton rouge, Louisiana The project DeVision: AGGRC (see aggrc.com) is a laboratory associated with the LSU Ag School and is located near campus. They raise and nurture fish and amphibians that are used in Medical research and also for purposes of conservation*

##### *Achievements/Tasks*

Data preprocessing, labeling, oversampling and transformations were done using tensorflow and pytorch libraries. Presentations on various topics to explain concepts of different DL techniques

Model training using Convolutional Neural Networks(VGG11 architecture). Hyperparameter tuning.

Image segmentation with imageJ, Stardist method used to solve overlapping items' issues.

Reached 98% accuracy in counting objects in images from an initial 84%.

*Contact : Peter Wolenski - pwolens@lsu.edu*

### Software Engineer Intern/ Data Scientist Intern

#### Hosteeva

*01/2020 - 04/2020, New Orleans, LA Hosteeva is a rental management company that specializes in offering its clients with machine learning algorithms that improve efficiency and profit.*

##### *Achievements/Tasks*

Optimized algorithms for reservations and price matching by reducing time complexity and memory usage.

Implemented supervised learning algorithms to find optimal locations for prime real estate investments and used various python visualization tools to provide investors with actionable insight.

Conducted comprehensive data analysis during the COVID-19 pandemic, identifying key trends and insights that played a pivotal role in guiding strategic decisions and ultimately safeguarding the company's interests, our team successfully projected a 40% increase in revenue if company reduces the prices for STR properties near populated areas and increases in the areas less populated.

Contact : Co-Founder of Hosteeva Sam Makaryan - (812) 431 0551

## EDUCATION

### BS in Computer Science

Louisiana State University in Baton Rouge

08/2019 - 05/2024,

### BS in Mathematics

Louisiana State University in Baton Rouge

08/2019 - 05/2024,

## SKILLS

## PERSONAL PROJECTS

Data Analysis, Visualization, Prediction and Deployment. (10/2023 - Prese)

Used Pandas, Seaborn and Matplotlib for data analysis, data cleaning, feature engineering and visualization. Used ScikitLearn for preprocessing, transformation(used one-hot\_encoder) and predictions.

Deep Learning NLP Problem(Python) (04/2022 - Prese)

Movie/Book/Article Title Generation model trained on Big Data using data cleaning, data preprocessing and NLP model with Keras Tensorflow LSTM.

## ACHIEVEMENTS

High School Mathematics: City and Regional Competition 1st Place (2013 - 2015)

*Participated in Mathematics Competitions in 2013, 2014, 2015. 1st place in Lori Province and City.*

## LANGUAGES

English

*Native or Bilingual Proficiency*

Armenian

*Native or Bilingual Proficiency*

## INTERESTS

Books Chess Gym Languages

Russian

*Native or Bilingual Proficiency*

Soccer

International Law

StartUps

Podcasts