

# Kenneth Rodriguez

## Data Science

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Hello, my name is Kenneth Rodriguez. I am currently interested in data science career opportunities that can utilize my skills in a team-oriented or independent work environment.

## Experience

### Apziva

DECEMBER 2021 TO PRESENT

#### Artificial Intelligence Machine Learning Resident

- Worked on a project designing and implementing a machine learning model focused on the logistics and delivery domain. Exploratory data analysis through charts, heatmaps, and boxplots. Taking feedback from customer surveys and predicting if customers are happy or not based on answers given to questions asked. Trained and tested data with an accuracy of 76% using Xgb boost.
- Worked on a project centered on a machine learning system that can leverage information arriving from call center data. The data is from a European banking institution by means of direct marketing efforts. The machine learning model predicts if a customer will subscribe to a term deposit. Dummy encoding and one-hot encoding are utilized. The project's data is largely imbalanced and needed to be oversampled and undersampled by using SMOTE. Successfully assembled a pipeline, classification report, logistic regression, and obtained an accuracy of 75%. Recall, precision, confusion matrix, and roc\_auc curve were successfully implemented.

<https://github.com/kwr4>

### Seal-Tight Protective Services, Inc.

JAN 2011 TO PRESENT

#### Project Manager

- Ensuring Projects have met the client's security objectives and managed client projects while participating with Seal-Tight Management staff to expand business opportunities.
- BMW Championship/PGA Championship: Delivered successful security for the event. Organized and managed security personnel and logistics that ensured a successful event for clients, tour professionals, and international media personnel covering the week-long event.
- Analyzing financial situations, proposing business opportunities at different geographical locations, managing employee performance, and analyzing business relationships.

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## Education

### **Purdue University**

AUG 2021 TO PRESENT

Master of Science - MS

M.S. Industrial/Organizational Psychology

- Machine Learning Research
- Ethics
- Measurement and Design
- Statistics

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### **Northern Illinois University**

AUG 2018 TO JUN 2021

Bachelor of Science - BS

B.S. Psychology and Computer Science

- Statistics
- Discrete Mathematics
- Cognitive Psychology
- Programming in C++, Python

<https://niu-csm.symplicity.com/students/psx/profile>

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## Skills

- Project Management
  - Python in Jupyter notebook building predictive models and machine-learning algorithms (Sci-Kit Learn, RandomForest, Logistic Regression, Tensorflow, Gradient Boosting: XGBoost).
  - Data Cleaning and Exploratory Data Analysis in Python on large datasheets with packages Panda, Numpy, matplotlib, seaborn, plotly, bokeh
  - Metrics such as confusion matrix, classification, accuracy, F1 score, recall, and precision scores.
  - Machine Learning Research
  - C++, Linux experience
  - Microsoft Office/Excel
  - Statistical software (jasp, anaconda nucleus, ANOVA)
  - Insightful, Curious, Mature, Personable, and Analytical
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## Interests

Interests include:

- Computers
- Human Behavior
- Learning new technology
- Music
- Pattern Recognition
- Video Games

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*Certifications*

**Bookkeepers Certification**

Harper College

AUG 2019

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