




# Giovanni Aratico | Data Analyst

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 <https://github.com/garatico>  <https://linkedin.com/in/giovanni-aratico>

## EDUCATION:

**Arizona State University** Tempe, AZ  
Bachelor of Science - Data Science (Mathematics Track) May 2024

**Notable Classes:** Machine Learning, Exploratory Data Analysis, Statistical Modeling and Inference, Regression Analysis, Probability Theory, Multivariable Calculus, Linear Algebra, Advanced Excel

**Glendale Community College** Glendale, AZ  
Associate of Science - Programming and System Analysis July 2019

## SKILLS:

**Soft Skills** – Problem Solving, Presentation Skills, Leadership, Effective Communication

**Programming Languages** – Python (BeautifulSoup, Pandas, Requests, Shiny, Selenium)

**Data Analytics / Data Science** – R (tidyverse, Shiny), SQL, Microsoft Excel

## PROJECTS:

### Xbox TrueAchievements Time Series Analysis and Modeling

- Developed a web scraping bot using Python and Selenium to extract and analyze leaderboard, gamer, and achievements data for insightful analysis.
- Conducted time series decomposition on a sample of profiles to extract valuable insights on trend, seasonality, and residuals, supporting data-driven decision making and enabling effective interactive dashboard visualizations in R (Shiny).
- Implemented hyperparameter tuned models leveraging XGBoost to forecast engagement and churn in R.
- Link to Repository: <https://github.com/garatico/XboxTA>

### Naïve Bayes NLP Classifier OkCupid

- Developed and implemented a Naive Bayes algorithm to accurately predict demographics of OkCupid dating profiles based on profile prompt responses.
- Analyzed a large dataset of OkCupid profiles to train and test the algorithm, achieving a high level of accuracy in demographics prediction.
- Utilized natural language processing techniques to parse through the text of profile prompts, creating a corpus and document-term matrix for analysis and implementation in the Naive Bayes algorithm.
- Link to Repository: <https://github.com/garatico/OkCupidNaiveBayes>

## WORK EXPERIENCE:

**Cognizant** Phoenix, Arizona  
**Workforce Management Analyst** July 2019 – September 2019

- Analyzed data and created reports with Excel and CMS software, providing valuable insights for management and team review.
- Effectively communicated data in various formats using Avaya CMS and NICE IEX to present complex information clearly and persuasively.
- Trained and evaluated new hires, contributing to the development of a skilled and productive team.

**Phoenix Group Metals** Phoenix, Arizona  
**Web Developer Intern** September 2018 – November 2018

- Developed essential web applications using Node and Express with end points to a SQL database.
- Drafted user-friendly documentation describing internal processes and systems.
- Reconciled databases by removing duplicates, incorrect, and missing or incorrectly formatted values.