**Nathaniel Gordon**

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# **Summary**

**Entry-Level Database and Data Analyst with hands-on experience in academic projects involving database design, SQL querying, and data analysis. Skilled in Oracle SQL, data visualization with Pandas and Seaborn, and database normalization. Recognized for attention to detail, problem-solving, and a strong foundation in database management.**

# **Education**

**Bachelor of Science of Computer Science – DeSales University (May 2024)**

**Minor in Psychology, 3.4 GPA, Honors: Dean’s List (Fall 2020); Liturgical Music Scholarship**

# **Technical Skills**

* *Database Platforms*: Oracle,SQLite
* *Python Libraries*: Pandas, NumPy, Seaborn, Matplotlib
* *Diagramming Tools*: draw.io, Figma, Flowmapp
* *Microsoft Applications:* Excel, Access, Word, PowerPoint
* *Programming Languages*: Python, Java, C++, SQL, JavaScript, HTML, CSS

**Relevant Coursework**

* *Database Analysis & Design*: Relational databases design, Entity-Relationship modeling using draw.io, normalization, and creation of views, procedures, triggers, and functions
* *Databases & Data Visualization*: SQL querying, data extraction, and visualization using Pandas and NumPy
* *Introduction to Data Science*: Data wrangling, exploratory data analysis, predictive modeling, and visualization using Seaborn

# **Academic Projects**

*Medical Clinic Database*

* Designed and implemented a robust database system for a medical clinic, managing and organizing over 1,000 patient records using Oracle SQL.
* Created detailed Entity-Relationship (ER) diagrams to map the clinic’s data structure, ensuring clear relationships between entities and data consistency.
* Applied normalization techniques to optimize data organization, reduce redundancy, and ensure data integrity across the system.
* Developed SQL queries, views, functions, triggers, and stored procedures to automate data extraction, reporting, and routine maintenance tasks.

*World Happiness Analysis Report*

* Conducted an exploratory data analysis on the World Happiness Report dataset, examining how various factors (e.g., GDP, life expectancy, trust in government, social support) correlate with happiness scores across countries.
* Utilized Python libraries such as Pandas, Seaborn, and NumPy to clean and preprocess the data, handling missing values and outliers.
* Applied correlation analysis and predictive modeling techniques to identify key drivers of happiness and assess the strength of their relationships with happiness scores.

# **Work Experience**

**Sunny Sky Products, Nozzle Operator, Douglasville, PA, July 2017 – June 2024**

* Assembled nozzles for coffee bags, ensuring accurate and efficient completion of daily production goals while maintaining high-quality standards.
* Assisted in reworking and re-palletizing products to correct any defects, ensuring that all items were clean, properly packaged, and ready for shipment.

**DeSales University, Choir Manager, Center Valley, PA, Jan 2021 – May 2023**

* **Coordinated opening and closing of rehearsals by setting up chairs, piano, and music stand**
* **Communicated with choir members and directors to ensure rehearsal efficiency**

**DeSales University, Conference Services Assistant, Center Valley, PA, Aug 2020 – Aug 2021**

* **Worked alongside clientele to ensure meetings and conferences were up to standard**
* **Resolved any technical issues in conference rooms involving laptops, projectors, and audio-visual equipment**

# **Academic Activities**

**DeSales Catholic Liturgical Music, Aug 2019 – May 2023**

* **Involved in Schola Cantorum, University Chorale, and Liturgical Choir**
* **Prepared and performed musical pieces for recitals**
* **Engaged in personalized voice lessons to improve current skillset**
* **Worked collaboratively with choir members and directors to rehearse and perfect musical selections**

**DeSales Varsity eSports, Aug 2019 – May 2024**

* **Worked with team members to develop strategies and plans to enhance team performance and optimize gameplay**
* **Analyzed matches to identify improvements amongst team**
* **Applied critical thinking and strategic planning to anticipate opponents’ strategies, showcasing problem-solving skills and the ability to think under pressure**