

# Bradley Gruetzman

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## PROFESSIONAL SUMMARY

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Data analyst with hands-on experience in SQL, Python, and Power BI, delivering insights through end-to-end data analysis and dashboard development. Proven ability to transform raw data into KPI-driven insights using ETL pipelines, relational databases, and cloud technologies. Strong background in analytical problem-solving with experience supporting operational efficiency in a fast-paced environment.

## EDUCATION

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**St. Cloud State University** Bachelor of Computer Science | December 2024

- GPA: 3.35
- Concentration: Artificial Intelligence and Machine Learning

## SKILLS

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- **Programming & Databases:** Python, SQL (MySQL, PostgreSQL)
- **Data & Visualization:** Excel, Power BI, Data Wrangling, KPI Reporting, Dashboard Development
- **Tools & Platforms:** GitHub, Jupyter Notebook, PowerShell, Linux
- **Cloud & DevOps:** AWS (Lambda, S3, RDS), ETL Pipelines, API Integration, Terraform

## PROJECTS

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**Data Cleaning Tool** | *Personal Project* | Python, Pandas, Tkinter, OpenAI API

- Built a desktop data cleaning tool to load, inspect, and transform CSV datasets using Python and Pandas.
- Implemented data preprocessing workflows including missing value handling, data type conversion, and feature engineering for analysis-ready datasets.
- Developed an interactive GUI with dataset preview, column-level editing, undo functionality, and action history tracking.
- Integrated AI-generated dataset summaries using the OpenAI API to provide automated insights.

**Northwind Analysis** | *Personal Project* | MySQL, Power BI

- Developed Power BI dashboards to track sales KPIs, revenue trends, and customer segmentation across 830+ orders.
- Wrote advanced SQL queries for data validation, time-series analysis, and revenue tracking.
- Identified key business insights including 71% YoY revenue growth and high-value customer concentration.
- Translated raw data into actionable insights to support data-driven decision-making and sales strategy optimization.

**AWS Weather ETL Pipeline** | *Personal Project* | AWS, Python

- Designed and implemented an automated ETL pipeline using AWS Lambda to ingest real-time weather data from an external API.
- Processed and stored structured data in AWS S3 and loaded into PostgreSQL (RDS) for analysis.
- Built a scalable serverless data pipeline demonstrating data engineering and cloud architecture fundamentals.
- Improved data accessibility and reliability for downstream querying and analysis.

## WORK EXPERIENCE

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**Lakes Building Components**

2018 – Present

*Production Team Member*

- Monitored production processes and performance metrics to ensure operational efficiency and quality standards.
- Identified workflow inefficiencies and collaborated with team members to improve throughput and reduce errors.
- Maintained high accuracy in a fast-paced environment, contributing to consistent output and on-time production.