

Bradley Gruetzman

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## PROFESSIONAL SUMMARY

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Cloud Engineer Associate candidate with a strong foundation in Python, SQL, and AWS services. Hands-on experience building cloud-based ETL pipelines using AWS Lambda, S3, and RDS. Background in data engineering, automation, and backend development. Highly motivated to expand cloud engineering skills and contribute to scalable, secure cloud infrastructure.

## EDUCATION

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

December 2024

- **GPA:** 3.35
- **Concentration:** AI and Machine Learning

## SKILLS

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- **Programming & Databases:** Python, SQL (MySQL, PostgreSQL), Pandas, NumPy
- **Tools:** Github, Jupyter Notebook, PowerShell, Linux basics
- **Cloud & DevOps:** AWS (Lambda, S3, RDS), IAM basics, ETL pipelines, API integration
- **Data & Engineering:** Data wrangling, automation scripts, relational databases
- **Machine Learning:** Scikit-learn, TensorFlow

## PROJECTS

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### AWS Weather ETL Pipeline: (Personal Project)

- Built an automated ETL pipeline using AWS Lambda to pull data from a weather API.
- Stored raw and processed data in AWS S3 buckets following best practices for folder structure
- Loaded processed data into Amazon RDS (PostgreSQL) for querying and analysis.
- Demonstrated understanding of cloud resource permissions and IAM role configuration.

### Credit Risk Prediction (University Project, Python, Jupyter Lab)

- Preprocessed the German Credit Risk dataset (1,000+ records) for ML classification.
- Designed a Multi-Layer Perceptron (MLP) Model with TensorFlow, achieving AUC-ROC of 0.826.
- Compared model performance against Random Forest & Logistic Regression.

### Movie Database Management System (University Project, Python, Flask, MySQL)

- Developed a Flask + MySQL web app to manage a movie database with CRUD operations.
- Implemented SQL queries to support advanced search filters and random movie selection.
- Designed a clean HTML frontend with dynamic user feedback.

## WORK EXPERIENCE

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Lakes Building Components

2018 – Present

- Operated an automatic saw, ensuring accurate and efficient cuts using a program.
- Collaborated with team members to meet tight deadlines and optimize workflow