

Lucia Woollett (Rapanova)

Data Engineer with an MSc in CS

I have hands-on experience in data engineering, data analysis, and the broader data ecosystem with a strong foundation in Python, SQL and a keen interest in AI and LLMs.

@ lucia.rapanova@gmail.com

🔗 luc-rap.github.io

in lucia-rapanova/

🔄 luc-rap

📍 US, Florida

SKILLS

Python

SQL

R

Data analysis

Jupyter Notebook

Pandas

AI/LLM

Machine learning

scikit-learn

Linux/Bash

Airflow

Data governance

Git

Jira

Docker

EDUCATION

MSc Computer Science

🎓 Slovak University of Technology 📅 2022 – 2024

- Notable courses: Neural Networks, Knowledge Discovery, Statistical Methods of Experiment Evaluation, Advanced Methods of Interactive System Design, Information Retrieval
- Thesis: “Prediction of Atomic Forces and Potential Energy Surfaces with Machine Learning Methods”
- Team Project topic: Ball Detection in Sports Videos - cooperation with Sportradar. Won second place in Team Project Cup 2023

BSc Computer Science

🎓 Slovak University of Technology 📅 2018 – 2022

- Notable courses: Intelligent Data Analysis, Artificial Intelligence, Database Systems, Human-Computer Interaction, Data Science Programming
- Thesis: “Improving user experience on the Web”

EXPERIENCE

Data Engineer, Global Marketing

🏢 Dell Technologies 📅 2021 – 2025 📍 Bratislava, Slovakia

- Built an LLM pipeline for entity resolution - replaced manual deduplication with automated web evidence retrieval, improving company matching accuracy across databases, and data quality for further business needs.
- Technical lead for entity resolution project - merging company records across multiple data sources (7M+ records), building company intelligence
- Participated in a hackathon for domain validation challenges, using web search and LLM pipeline to improve domain data quality
- Communicated technical solutions and project progress to cross-functional stakeholders and leadership
- Key technologies: Greenplum, SQL, Python, Airflow, Bash, GitLab

OTHER ACTIVITIES AND PROJECTS

Django Girls

2022 & 2024

mentor and volunteer at Django Girls (PyCon, Slovakia)

Aj Ty v IT

2020 – 2024

Supported the advancement of girls in IT by volunteering with AjTyvIT. Contributed to various activities aimed at nurturing their skills and confidence while also assisting in event coordination and resource preparation. Presented at Girl's Day.

Site Business Academy at Dell Technologies

2025

Completed 10-month development program SBA (Site Business Academy) in which I've gained experience in project management and executive presentations.

LANGUAGES

Slovak

Mother tongue

English

Professional proficiency