

Bartosz Grabek

Dzięcioła 9L, Warsaw, 04-988 Poland

+48 692 895 906 | bartoszgrabek7@gmail.com | github.com/Bartosz7 | linkedin.com/in/bartosz-grabek

Personal Profile

Software Engineer and Data Science Enthusiast with expertise in NLP, Data Analytics, and AI integration. Skilled in Python, SQL, and Azure cloud, with experience automating workflows and optimizing data processes. Currently pursuing an MSc in Data Science, with a strong track record of delivering impactful solutions in both academic and industry projects.

Work Experience

Junior Software Engineer

Warsaw, Poland

Samsung Electronics - Samsung Research Poland, Language Intelligence Team

July 2023 - current

- LLM integration and prompt engineering for capsule development within the Samsung voice assistant (Bixby) team
- Led NLP research task force on the collection of free speech commands data based on user logs analysis
- Contributed to Big Data NLP-based solutions for collection of emerging entities to improve ASR engine
- Automated release management processes and manual tasks of linguist annotators
- Supported TV capsule models' training and development of Bixby
- **Technical Skills:** Python, JavaScript, Git, Jenkins, LLMs, Prompt Engineering

Advanced Data Analytics Intern

Warsaw, Poland

Polpharma Pharmaceutical Works

Sept 2022 - Oct 2022

- Optimized ETL, reducing processing time by over 25% and enhancing data efficiency
- Conducted exploratory data analysis (EDA) with SQL to uncover key product insights
- Migrated Analysis Services solution to Azure cloud, improving scalability and performance
- Replaced Excel reports by designing an interactive data model and Power BI Dashboard for warehouse stock tracking
- **Technical Skills:** SQL, Analysis Services, Microsoft Azure, Power BI, Data Visualisation

Education

Warsaw University of Technology

Warsaw, Poland

MSc Data Science

Oct 2023 - current

University College London (UCL)

London, UK

BSc Computer Science

Sept 2020 - June 2023

Personal Projects

Translating Cooking Recipes into Machine-Specific Instructions

London, UK

University College London (UCL)

Oct 2022 - Jul 2023

- Built an NLP pipeline for translating cooking recipes into semi-formal text representations using functions of modern food processors with NER.

KONLA - Research Paper Summarisation Tool (Industry project)

London, UK

University College London (UCL) x Lacibus Ltd.

Oct 2021 - May 2022

- Served as team leader and client liaison for the industry project with Lacibus Ltd., to create a system for extracting knowledge from research papers using Natural Language Processing (NLP) methods
- Co-developed core NLP features and a Django web application KONLA, report website available at <https://students.cs.ucl.ac.uk/2021/group6/>.

Skills

Programming	Python (advanced), JavaScript, Django, Flask, HTML, CSS
Data Science & Big Data	SQL, Pandas, NumPy, PyTorch, Scikit-learn, SciPy, matplotlib, Seaborn, Apache Big Data projects, Power BI
NLP	SpaCy, NLTK, LLMs, Prompt Engineering, Langchain
Cloud and Other Tools	Git, Jenkins, Docker, MS Azure, MS Excel
Languages	Polish (native), English (proficient), German (B1), Spanish (A2)
Soft Skills	Communication, Leadership, Teamwork, Problem-solving, Documentation, Engaging Presentation

Achievements and Certifications

Mar, 2023	Certificate , DP-900 Microsoft Azure Data Fundamentals	London, UK
Nov, 2022	Finalist , Warsaw School of Economics (SGH) Business Game	London, UK
Sep, 2022	Certificate , AZ-900 Microsoft Azure Fundamentals	Warsaw, Poland
Oct, 2021	Participant , Azure Summer Camp (Business Data Science Path) by Kearney	Remote
Nov, 2019	Certificate , Project Management Principles certified by Project Management Institute (PMI)	Warsaw, Poland