# ALEX SHVACHKO

## DATA ENGINEER, SOFTWARE DEVELOPER

**SUMMARY**

3rd year Data Engineering student with practical, real-world experience designing and implementing scalable data pipelines, handling massive datasets, and building tools for analytics and modeling, currently heading towards MS degree in Machine Learning.
Currently employed as a Scientific Developer, leleading development of massive temporal data processing alorithm. Proficient in Python, SQL, and C#, with a strong foundation in data modeling, statistical analysis, and database optimization.
As a personal hobby, I'm making AI art with SD and Flux models, acquiring strong experience in training complex generation models on images, generation, and prompt engeenering.
**Currently looking forward for building a career in Data or ML fields, intrested in new and promising projects and exited to participate in devlopment.**

**MAIN SKILLS**

- Expeirenced with Linux(advanced), Bash, Slurm
- .NET Core, ASP.NET, REST - development experience
- Cloud Platforms (AWS, GCP, Azure)
- Dashboards: Power BI, Dash, Excel, Streamlit, Tableau
- Text Embedding, NLP, sentiment analysis
- Statistical Inference, Regression Analysis, R
- Big Data Tools: Spark, Hadoop, Hive, HDFS

- Have a strong experience with No-SQL databases(especially Mongo, Minio, Redis, Cassandra)
- Commercial BI devlopment with SSIS(advanced)
- 1 year developvent experience on C#
- Proficent with almost all popular SQL DB's(Postgre, SQL-Server)
- Expeirenced in ETL
- Know Java, C/C++(backend stack)
- Scikit-learn, XGBoost, LightGBM
- Advanced in ML Training\Evaluation

- Docker(advanced), Web API backend development
- Data Warehouse/Lake
- DevOps(Git, Git Actions, Notion)
- Flux, Stable Diffusion, ComfyUI(strong self-taught experience)
- pandas, tensorflow, pytorch, pygame, numpy, scikit-learn, optuna
- 5 years experience developing on Python

**EXPERIENCE**

### ALGORITHM DEVELOPER
Millimedical Solutions(startup), 2024-present

- In this position I'm leading devlopment of a service based on a rare algorithm used by 20+ researchers for longitudinal medical analysis and temporal data mining on data. There I got strong experience in C#, Big Data handling and processing(over 1 billion rows), SQL, Python, DevOps tools and Linux based systems(SLURM).

### AI COURSE TUTOR
Cyber Education Center, 2023-2024

- Completed a one-year contract as an AI course tutor for 10th grade exelennce program students. During the course, I learned a lot of new things in AI field, but mostly developed strong experience working in a large team, enhancing communication and public speaking skills, learned how to lead a team and effectively collaborate.

**EDUCATION**

### BEN-GURION UNIVERSITY OF NEGEV
B.Sc. in Data Engineering, 2022 - present

- Currently pursuing a newly developed degree in the rapidly evolving field of data. Accepted without a psychometric score. **GPA: 80**

### AMIT HIGH SCHOOL BEER-SHEVA
High School Diploma, 2016-2019

- Completed 12 years of education with excellence, ranking among the top 5 students with the highest GPA in school.
- Participated in SKILLZ competition in 2018-2019.
- **GPA: 116**

### LANGUAGES

- Hebrew (fluent)
- English (fluent)
- Russian( native)

### CONTACT

**Email**: alex.shvachko.wrk@gmail.com
**Phone**: 9720587380259

### LINKS

**LinkedIn**
**GitHub**