TOMASZ MYCIELSKI

@ tomasz@myciel.ski   📞 +48 606 273 309   📍 Warsaw, Poland
in tmycielski   🌐 myciel.ski

ABOUT ME

I am an engineer with a strong interest in data sourcing, wrangling, and systems architecture. I am looking to join a team which shares my values, so that we can do high quality, impactful work together.

SKILLS

Python   Web scraping   SQL   AWS

LANGUAGES

Polish: Native

English: Fluent

French: Basic

EDUCATION

Computer Science MSc

📅 06.2025

📍 Warsaw University of Technology

Cybersecurity BEng

📅 02.2024

📍 Warsaw University of Technology

Scholarship for academic performance

EXTRACURRICULAR

🎵 **Piano**
In my free time I practice the piano and perform on jam sessions every now and then

Golf
I was on my university's varsity team and currently play twice a week

Riddles
In my free time I like to solve math or programming riddles

⛰️ **Climbing**
I train sports climbing and bouldering and take part in local competitions

EXPERIENCE

Data Engineer | Taiwan Semiconductor Manufacturing Company

📅 07.2024 – 09.2024   📍 Hsinchu, Taiwan (on-site)

Internship
- Monitoring overall equipment effectiveness in a 300 mm wafer fab
- Implementing ETL workflows with Dbt
- Orchestrating data pipelines with Airflow

Developer | Flobotics Consulting Inc.

📅 05.2022 – 06.2024   📍 Warsaw (hybrid)

Part-time
- Understanding our clients' problems and creating solutions (usually with Python)
- Deployments, mostly on AWS and often with Terraform
- Worked with both small and large companies – including TransPerfect, PathGroup, Docplanner and many others. I'd love to tell you about the projects I took part in.

Security Operations Center Analyst | T-Mobile

📅 07.2021 – 10.2021   📍 Warsaw (hybrid)

Internship
- Responding to security incidents
- Analysis of malicious samples for threat intelligence
- Collaborating on reports and presentations for management

SELECTED PROJECTS

Fuel theft detection for lorry fleet operator

ETL solution aggregating data from multiple petrol station operators (via API or scraping) and raw sensor readings from cars' fuel tanks into an SQL database, with visualization in PowerBI. I programmed the ETL Python scripts, designed the database, and implemented correlation rules for detecting fuel theft.

Mode S protocol extension for message authentication

As part of my engineering thesis I have designed an extension to the Mode S protocol used by aircraft transponders to address the lack of message authentication. I have written an implementation of it in Python (for HackRF and RTL-SDR).

Electronic health records gathering for insurance claim optimization

Worked on creating a system for automated extraction of patients' EHRs from multiple sources that did not have public APIs. Extracted data was loaded to GCP Firestore, and then used by a ML model to create optimal insurance claims. The scrapers used Selenium, were containerised, and ran on GCP Compute Engine.

MQLs outreach automation

Automated creation and sending of personalized outreach messages to marketing qualified leads. Enriched leads' data using HubSpot's database. Used Azure OpenAI for NLP and text generation, AWS Lambda for video recording, ffmpeg for editing and render, and LinkedIn app on Android (via adb) for sending out messages.