

Ivan Derdić

Zagreb | ivan.derdic@proton.me | +385 91 933 1914 | github.com/IvanDerdicDer

Experience

Data Engineer, Bonsai.TECH – Zagreb, HR December 2021 – July 2024

- Pilot project for a Swedish company engaged in real estate brokerage – development of a system for synchronizing two data sources
- Creation and maintenance of a data platform for Starbucks – a data platform for consolidating and analyzing purchase and loyalty program data
- Processing Oracle BIAPI data – a system for processing near real-time purchase data retrieved from the Oracle BIAPI system

Data Engineer, Span – Zagreb, HR September 2024 – Now

- Maintenance and enhancement of the system for processing loyalty program data
- Development of a system for data anonymization by removal

Projects

UnitType

- A program for fast typing using standard keyboards. The program tracks which keys are pressed, and if a valid combination (unit) is detected, it expands into the full word.
- Tools used: Rust

Acimdes

- A command-line program for playing the card game "Sedmica"
- Tools used: Python

Education

Faculty of Electrical Engineering and Computing, Master of Computer Engineering September 2022 – July 2024

- **Master's Thesis:** "System for Processing Semi-Structured Text Files of Business Transaction Data" – the goal of the project was to implement different methods for processing semi-structured text files and compare their time performance

Faculty of Electrical Engineering and Computing, Bachelor of Computer Engineering September 2019 – July 2022

- Worked on the project "FRISK V Processor Architecture" – the goal of the project was to develop a RISC-V processor architecture simulator for the "Computer Architecture" course
- **Bachelor's Thesis:** "Robot Control System via Wi-Fi Wireless Communication" – the goal of the project was to develop a central system for controlling one or more robots over a Wi-Fi wireless communication network
- **Courses:** Algorithms and Data Structures, Databases, Operating Systems, Software Engineering, Computer Architecture

Tools and Technologies

Programming languages: Python, Rust, SQL

Technologies: Spark, SQL Server, Azure Synapse, Azure Data Factory, Azure Databricks, Azure Data Lake