Olomouc, Czech Republic
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Dominik Prager

Click here to play my interactive portfolio game!

Summary

A software engineer and computational chemistry intern with a strong focus on back-end development, data analysis and testing. Passionate about game development, bioinformatics, low-level programming, and also cats.

Experience

Software Engineer, *XORUX s.r.o., Infrastructure Performance Monitoring*, Olomouc, Full-time. **April 2023 – Present**

Focus on back-end development, CI/CD, and testing

Computational Chemistry Intern, *Palacký University, Faculty of Science, Department of Physical Chemistry*, Olomouc. **Fall 2022 – Present**

Emphasis on data analysis under the ELIXIR infrastructure

Webeditor, *Vltava Labe Media, a.s.*, Deník.cz. **May 2019 – March 2021**

Editing and exporting articles, writing, social media management, administration, photo & video editing and processing

Education

Bachelor's Degree in Bioinformatics, *Palacký University*, Olomouc. **2021 – 2025 (exp.)**

Final thesis: Protein Function Annotation from the Sequence
Supervisor: Associate Prof. Karel Berka

Programming

Actively using: Python, TypeScript, JavaScript, Perl, Shell scripting
Currently learning: Rust, Go, Lua
Notable languages I have used: C#, C/C++, R, PHP, HTML/CSS

Other skills

(Web) Frameworks: FastAPI, Django (familiar), React, NextJS, NodeJS, Go-Chi (learning), Vite
Version control & Testing: GitLab CI, GitHub Actions, Selenium, Pytest

DevOps & Containerisation: Docker, AWS, Google Cloud, Podman (basic familiarity)

Other Notable Stack: Linux administration, SQL & ORMs (TypeORM, SQLAlchemy), NoSQL (Neo4j (learning), MongoDB)

Game Engines: Unity Engine, Unreal Engine (familiar), Godot (learning, preferred)

ML Frameworks & Libraries: Numpy, Pandas, PyTorch (preferred), Tensorflow (familiar), scikit-learn

Media: LaTeX, WordPress, LibreOffice & MS Office

Focus in Bioinformatics: Protein Function Prediction, Structural Databases, Drug Design, Gene Ontology

Languages

Fluent: Czech (Native), English

Basic communication: German, Spanish

Learning: Japanese

Other Experience

Driving Proficiency: Driver's license (B+B1), fork-lift certificate

Tutoring: Primarily Mathematics, Programming & Life Sciences

Discord: Administration & Automation - Bots & Webhooks (communities with hundreds to thousands of members)

Tournament Organisation: 25+ public tournaments organised on Battlefy and more IRL LAN events - Hearthstone, Counter-Strike 1.6, League of Legends

Hobbies

Favorite Videogames: Last Epoch, Nowhere Prophet, Hearthstone, Death Must Die, World of Warcraft, League of Legends, Path Of Exile, LEGO Games, Hades, Bloons TD Series, Valorant

Musical Instruments: Not only playing but also discovering new ones

Other interests: Cybersecurity, low-level programming, Japanese culture (manga and anime translation, martial arts), Computational Linguistics & NLP