Maximilian Moser

Personal data

Born   **04 March 1993**, *Hall in Tirol*, Austria.

Degree   **Diplom-Ingenieur**, *equivalent to Master of Science*, in Computer Science.

Relevant work experience

since 2020   **Full-stack DevOps engineer**, *TU Wien*, Vienna.
Building and operating the *institutional research data repository*, based on *InvenioRDM*
Active participation in development sprints for the upstream open source project
Holding guest lectures and presentations at TU Wien and external conferences like Open Repositories
Supporting researchers with publishing their research outputs
https://www.tuwien.at

2019 – 2020   **C# developer**, *MCP GmbH*, Vienna.
Development of desktop applications for data transformation
https://www.algorithm-factory.com

2018 – 2019   **Scientific staff**, *Christian Doppler research unit for AI, planning and scheduling*, Vienna.
Development of exact and heuristic approaches for solving production scheduling problems, including mixed-integer and constraint programming techniques
https://www.cdg.ac.at

Education

2013 – 2019   **TU Wien**, *Vienna*, BSc in Software & Information Engineering, MSc in Software Engineering & Internet Computing.
both with distinction

2007 – 2012   **HTBLVA Anichstraße**, *Innsbruck*, Industrial Engineering, with focus on IT.
with distinction

Relevant skills

Primary OS   Linux

Languages   Python, JS, HTML, CSS, Shell, SQL, Java, C/C++/C#, MiniZinc, Haskell, Prolog, LaTeX

Experience   Maintaining and contributing to open source projects
Continuous integration and continuous delivery (CI/CD)
Configuration and administration of production services
Security scanning and hardening of systems
Management of containerized applications
Working as part of international teams (North America and Europe)

Theses

Master's Exact and Heuristic Approaches for Unrelated Parallel Machine Scheduling
→ Finding optimal or near-optimal solutions for real-life combinatorial production scheduling problems
→ Thesis available in *ReposiTUm*, DOI: 10.34726/hss.2019.69323
→ Journal article available in the *Journal of Scheduling*, DOI: 10.1007/s10951-021-00714-6
→ Data available in *Zenodo*, DOI: 10.5281/zenodo.4118241

Bachelor's NetworkManager VPN Plugin: WireGuard

HTBLVA Device for measuring luges for the *International Luge Federation (FIL)*

Additional information

Languages German (Native), English (C1), Russian (A1)

Spare time Making decent espresso and drinks, reading (mostly SciFi), gaming (mostly Dota 2), mechanical keyboards, keeping up to date on tech, skiing