Patrik Mitterpach

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EDUCATION

- **FIT Czech Technical University**　　　　　　　　　　　　Prague, Czech Republic
  Focus: Artificial Intelligence, GPA: 1.5　　　　　　　　　　　　*September 2021*

  Courses: Programming and algoritmization, Database systems, Machine Learning, Software Development Technologies, Programming in Python, Data visualization

SKILLS

- **Languages**:　　Python, C/C++
- **Frameworks**:　Pandas, Matplotlib, Scikit, Numpy, PyTorch
- **Tools**:　　　　Git, Bash, PostgreSQL, MySQL, ASM
- **Platforms**:　　Linux, Windows, Arduino, Android (adb)
- **Soft Skills**:　Leadership, technical documentation, English C2 (*Cambridge English Qualifications*)

EXPERIENCE

- **Digiteq Automotive**　　　　　　　　　　　　　　　　　　　　Hybrid
  Junior Python Developer (Part/Full-time)　　　　　　　　　　　　*July 2021*
  - **Automated interaction with an Android device with Python:**: CRUD command development for device interaction, bash command development for Android Debug Bridge interaction.
  - **Creation and maintenance of internal documentation**: Setting and ensuring standards, taken ownership.
  - **Dynamic and modern workplace**: Utilising Agile and Scrum methodologies to deliver a premium automotive product.

PROJECTS

- **redditDownloader**: (Work in progress) Open-source Reddit scrapper utilising the official Reddit API, complete with packaging & an automated CI/CD pipeline. Tech: Python, PRAW, GitHub Actions, Tox (November '22)

- **f1db**: Complex database model depicting the dynamic reality of the top motorsport competition. Model encompasses 12 entities and 25+ diverse SQL queries. Semestral work for the BI-DBS course, earning 100% of available points, placing in the top 5% of all participants. Tech: PostgreSQL (April '22)

- **mitterpach.dev**: Tiny compact personal website/blog built from scratch atop GitHub pages. Complete with open-source code, handcrafted design and a custom domain. Tech: Vanilla HTML&CSS, Python & Markdown (publication and administration)