ZHU YUANHAO

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Address:Siewerdtstrasse 20, 8050 Zurich, Switzerland Nationality:Chinese

Github: https://github.com/drewyh999

Educational Background

09/2021-now **University of Zurich**

Major in Software Systems, Department of informatics

Master degree

GPA: 5.02/6

09/2017-06/2021 **Sichuan University (Sichuan Province, China)**

Major in Software Engineering, College of Software Engineering

Bachelor of Engineering

GPA: 3.62/4.0; Weighted Average Mark: 87.04/100

Languages

English Fluent (TOEFL 107 / CEFR C1)

Courses

Data Structures and Algorithms, Computer networks, Database Systems, Operating Systems

Programming Skills

Language Java, Rust, Python, C++

Working Experience

- ➤ **01/2023-now** **Accelleron-industries** **Baden, Switzerland**
- ➤ **Intern Software Engineer**
- ➤ **Field Data Backend team**
- Work with Apache Nifi, InfluxDB, Chronograf
- Develop nifi queue and processors for data sources
- Setup pipline, automate deployment and certificate generation, incorporating authentication flows

- ➤ **06/2022-09/2022** **Everest Systems Gmbh** **Heidelberg, Germany**
- ➤ **Intern Software Engineer**
- ➤ **Kernel team**
- A Rust SQL query builder
- Used fluent api to maximize flexibility
- Enhanced SQL safety

Project Experience

- ➤ **05/2023-11/2023** **Optimizing Linear algebra in MonetDB**
  Master thesis
- Integrated Matrix transpose and Matrix multiplication into MonetDB kernel
- Added linear algebra operations fully operable with standard SQL operations
- Altered relation plan and MAL plan, also implemented functions that operates on GDK level
- ➤ **02/2022-12/2022** **Full stack development of an online code evaluation**
  collection platform
- Java Spring MVC as backend and ReactJS as frontend
- MongoDB as the database, prevented impedance mismatch, Redis as the cache database
- Configured Jackson polymorphic serialization/deserialization