Minh Tran Quang

VD4, Ward Thoi Hoa, Ben Cat, Binh Duong

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`https://minhtran1506.github.io/minhtran/`

Personal Profile

A highly motivated and ambitious student with a strong background in computer science and good technical expertise. Proficiency in Python, Java, SQL, and data modeling. Looking to develop analytical thinking through real-world data integration projects and learn from experienced professionals. Searching for Data Engineer positions.

Education

Vietnamese-German University   *Binh Duong, Vietnam*

Computer Science   *Oct 2020 - Current*

- **Cumulative GPA: 3.52/4.0**
- 30% Scholarship to the entrance examination to Vietnamese -German University in 2020.
- DAAD Additional Sur-place Scholarship WS 2021/2022 Winner in Germany.
- DAAD Study-Stay Scholarship WS 2022/2023 Winner in Germany.
- **Courses:** Algorithms and Data Structures, Database, Statistics, Computer Network, Software Engineering Analysis, Real-time System, Operating System, Distributed System, Algebra, Probability, Discrete Mathematics, Computer Architecture, Java OOP.
- Programming Language: C, C++, Java, Python.

Frankfurt University of Applied Science   *Frankfurt, Germany*

Computer Science   *Sept 2022 - Feb 2023*

- Enchange student with DAAD Study-Stay Scholarship: full-ride merit-based scholarship granted to the most outstanding students for 6 months.
- Participated in coding competition organized by Frankfurt University of Applied Science.

Projects

Fractal Tree Drawing Tool   *Source code: http://surl.li/imnpi*

Provide a user-friendly tool that allows individuals to create and visualize fractal tree structures.

- Create a Fractal Tree Drawing Tool with different forms such as Symmetric, Spiral, Binary trees using Java and designed a Graphic User Interface(GUI) with JavaFX and Scene Builder application.
- Implemented Nodes for the drawing process using instead of recursive like the original method to reduce time complexity.
- The project was graded 8.8/10

Library Management System   *Source code: http://surl.li/imnqa*

A web application that allows librarians to manage the library's collections and operations with ease.

- Designed and implemented a complete website using JavaScript and CSS.
- Create and manage a database using PostgreSQL to store all the website data, and link it with the back-end.
- The project was graded 9.5/10

Uber data analytics   *Source code: http://surl.li/isxml*

The project performs data analytics on Uber data using various tools and technologies.

- Extract data and store it using Google Cloud Platform: Google Storage, Compute Instance, BigQuery.
- Perform ETL to combine data from multiple sources into the data warehouse.
- Use Looker Studio to create a dashboard in order to track, analyze, and display KPIs and metrics.

Skills

Programming	Python (Pandas, Matplotlib, NumPy. etc.), R, C/C++, Java, SQL.
BI Tools	Tableau.
Databases	PostgreSQL.
Techinques	Data Cleaning, Data Visualization, Web Scraping, Mage, Airflow, Google Cloud.
Soft Skills	Problem-solving, Analytical mindset, Problem and process-oriented thinking.

Languages

English	Ielts 7.0
Vietnamese	Native proficiency
German	A2