

# Doan Thanh Tung Nguyen

Zieblandstr. 35, 80798 München, Germany

✉ tungndtt224@gmail.com

in Tung Nguyen

🌐 GanmoWorld

🔊 tungndtt

☎ (+49) 162-3068-640

## EDUCATION

**Technical University München** | München, Bayern

**April 2022 – August 2024**

- M.Sc. in Computer Science
- GPA: 1.7 (German-based)

**Technical University Darmstadt** | Darmstadt, Hessen

**October 2018 – January 2022**

- B.Sc. in Computer Science
- GPA: 1.9 (German-based)

## PROFESSIONAL EXPERIENCE

**Backend Developer** | Allianz - München, Bayern

**February 2023 – Present**

- Implemented a lexical parser using ANTLR to check security rules and parse them into a structured format for efficient storage and retrieval, ensuring the reliability of customer files before importing them into the company system.
- Implemented tracking of incident resolution progress in an internal incident management platform, using Server-Sent Events for real-time updates in worker collaboration and utilizing Redis to broadcast modifications across the distributed system.

**Software Engineer** | Precitaste - München, Bayern

**June 2022 – February 2023**

- Developed analytical scripts in Python to compute key performance indicators for Chipotle's operations, utilizing Seaborn for data visualization to provide a comprehensive view of business processes and operational efficiency.
- Implemented simulation scripts that consumed event data from Kafka to model restaurant behavior, enabling efficient testing of new machine learning deployments and significantly reducing testing costs and business risks.

**Software Engineer** | a-tune Software AG - Darmstadt, Hessen

**June 2021 – May 2022**

- Developed an application that provides real-time insights into the organization's livestock and integrates Selenium for automating experimental activities, enabling remote management of research operations at Boehringer Ingelheim.
- Created an interactive, user-friendly software tool with NodeRED, allowing researchers to customize data flows and increase automation control according to their specific needs.

## PROJECTS

**Livesen Map** | European Innovation Council

**October 2023 – June 2024**

- Developed a microservice web application for digital management of the farming progress, utilizing predictive models and crop growth data from multiple seasons to provide farmers precise fertilizer recommendations.
- Integrated OpenStreetMap to enable intuitive visualization of agricultural fields on a dynamic map interface and utilized Redis as PubSub system to synchronize farming progress across users.
- Python, Flask, PostGIS, Redis, TypeScript, React, Material UI, Leaflet

**Monotrail** | Trail ML

**April 2023 – September 2023**

- Implemented a web application aimed at assisting business in understanding the ML process and highlighting ML experiments that maximizes the business benefit based on defined metrics.
- Leveraged LLMs to automate response process and simplify complex ML process to the business and law-maker.
- Python, Flask, MongoDB, TypeScript, React, Material UI, GraphQL

**Web Control Center** | Deutsche Bahn

**October 2021 – February 2022**

- Delivered a web-based platform which offers precise time scheduling and remote control capabilities to support Deutsche Bahn in effectively controlling their railway model system.
- Implemented socket communication between the client and server to enable real-time updates and immediate control interactions.
- Java, Spring, SocketIO, JavaScript, React, Material UI

## TECHNICAL SKILLS

**Programming Languages:** Java, Python, JavaScript, TypeScript, Golang, C++

**Frameworks:** Spring, Flask, Express, React, Vue, Hibernate, Selenium

**Databases:** PostgreSQL, MySQL, SQLite, MongoDB

**Technologies:** Redis, Kafka, Elasticsearch, NodeRED

**Tools:** Maven, Gradle, Npm, Yarn, Docker, Git, CI/CD