

# JIMMY TAN

AI Research Intern, Mercedes-Benz Consulting GmbH

@tanjimmy2000@gmail.com  
JimmyTan2000

+49 177 4061215

Deggendorf, Germany

in jimmy-tan-503431233



## EXPERIENCE

### Bachelor Thesis AI

#### Mercedes-Benz Consulting GmbH

Oct 2023 – Jul 2024

Leinfelden-Echterdingen

- Engaged in the research for my thesis titled 'Automatic Evaluation of Question-Generation Models'.
- Engaged in the development of the Gen-AI Multi-Agent Spin-Off project leveraging LLMs.

### Working Student Data Analytics & AI

#### Mercedes-Benz Consulting GmbH

Mar 2023 – Jul 2023

Leinfelden-Echterdingen

- Provided detailed explanation of the entire Rasa system architecture and its associated AWS components to team members.
- Developed comprehensive step-by-step instructions and demonstrated the implementation of the Rasa system with Kubernetes on AWS EKS.
- Led the architectural design of a new Rasa chatbot for a specific use case.
- Coordinated product requirements clarification and procedural synchronization among cross-functional teams during implementation.
- Correction of unexpected cluster failures.

### Intern Data Analytics & AI

#### Mercedes-Benz Consulting GmbH

Sep 2022 – Feb 2023

Leinfelden-Echterdingen

- Led strategy planning for the implementation of a dialogue-oriented AI chatbot utilizing Rasa technology.
- Conducted training of NLU models and configured processing pipelines for tasks including tokenization, featurization, entity tagging, and intent classification.
- Collaborated closely with the frontend team to seamlessly integrate the chatbot into the user interface.
- Developed a custom REST API to enhance backend processing by integrating additional information from the frontend.
- Designed and implemented a robust cloud infrastructure using Docker, Kubernetes, Helm Charts, and multiple AWS services such as Lambda, EC2, EKS, ECR, CodeCommit, Cloud9, DynamoDB, Cognito, and SES.
- Maintained regular coordination with AWS cloud engineers.
- Containerized code into Docker images and hosted them securely in a private AWS Elastic Container Registry (ECR) service.
- Independently deployed the chatbot in a production environment with load balancing for optimal performance and scalability.
- Comprehensive documentation of the entire chatbot.

## PHILOSOPHICAL MOTTO

*"What I cannot create, I do not understand." - Richard Feynman*

## ACHIEVEMENTS



CERN GridWars Hackathon  
1st Runner Up



Full Marks for Thesis  
1.0 (German Grade, 50/50 Points)



Thesis Publication  
Pending - Waiting for Approval

## SKILLS

Python

Java

Machine Learning

Natural Language Processing

Amazon Web Services (AWS)

Linux

## STRENGTHS

Goal-driven

Detail-oriented

Problem solving

## LANGUAGES

Mandarin



English



German



Malay



## EDUCATION

B.Sc. in Artificial Intelligence  
(In German)

Deggendorf Institute of Technology, Germany

Oct 2020 – May 2024

Grade: 1.9 (German Grade)

Cambridge GCE A-Levels

Sunway College, Subang Jaya, Malaysia

Jan 2018 – Jun 2019