

JIMMY TAN

AI Research Intern, Mercedes-Benz Consulting GmbH

@tanjimmy2000@gmail.com
jimmytan2000.github.io/

+49 177 4061215
jimmy-tan-503431233

Deggendorf, Germany
JimmyTan2000



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