PERSONAL INFORMATION

# Ruixin Tang

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Gender Female | Date of birth 25 February 1998 | Nationality Chinese

## EXPERIENCE

**December 2022 - Present**

### Software Engineer, Capgemini Engineering, Eindhoven

Started as a young professional in the Technical Application Engineering unit. Assignment experience as follows:

**March 2023 - January 2024**

**Scientific programmer TNO-ESI, Eindhoven**

1. Shared Model Specification: Collaborated closely with both projects to develop a unified model specification to create a standardized JSON schema.

2. Transformation: Developed a RESTful API using **Python flask** and **Java Jakarta** for the transformation process from JSON schema from/to the original format(python and DSL) for the unified visualization of the model created by researchers.

3. UI Development: Created the design and development of the system model editor's UI by **Typescript** and **React.js**. This UI package is served to Canon for further discussion.

**April 2022 - October 2022**

### Graduation project, Philips, Best

**Research question**

The research question can be formulated as: Given an event log from a human-computer interaction system, how can the efficiency of the traditional user behavior study be improved by an integrated representation of information in temporal and spatial dimensions

Event-based visualization design: Integrated **spatial** and **temporal** dimension into an adopted event-based visualization concept. Enabling a customizable retrospective visual analysis using an application prototype built by **Python(PyQt)**.

Further study support: The application has been adopted in Philips IGT innovation for further studies on IGT system log processing. The preliminary result of detecting the surgery access point(radial or groin) was submitted to the next system updates discussion list.

**September 2021 - February 2022**

### Data analyst Intern, Unilever Food Innovation Center, Wageningen

A 6-month internship in department of Food Package&Processing at Unilever. The internship project is to analyze the possible reason(key ingredient groups) for powder food caking. During the internship, the classification of the ingredients based on different standards was the top difficulty. **Statistical** tests are combined to validate the essential ingredient features. **Linear regression** is applied to predict caking risk. The script is written in **Python**.

## EDUCATION

**September 2020 – October 2022**

### Master of Data Science in Engineering

Eindhoven University of Technology, Eindhoven, The Netherlands

Master Project: Data-driven Approach for Reproducing Use Scenario Using Machine Logs(Python) Result: 7/10

**September 2017 – July 2020**

### Bachelor of Computer Science

Vrije Universiteit Amsterdam, Amsterdam, The Netherlands

Bachelor Project: A Comparison of Path-tracing Based Sampling Strategies for Global Illumination Methods(C++) Result: 8.5/10

**September 2016 – July 2017**  **Bachelor of Computer Science and Technology**

Nanjing University of Chinese Medicine, Nanjing, China

## SKILLS

Language  Chinese(Native), English(Professional working level), Python(Professional working level), C++

## VOLUNTEER WORK

**September 2019 - November 2019**  **Student assistant, Vrije Universiteit Amsterdam, Amsterdam**

Student assistant for the course Advance Programming for Computer Science (2nd year course in Scala). Assisting the professor with the practical session, question answering, and assignment grading.

**September 2018 - July 2020**  **International Student Ambassador**

International student ambassador in Vrije Universiteit Amsterdam. Helping with the international admission of students outside the Netherlands. Helping with the events to the potential students and study groups from other countries.

## PORTFOLIO

Personal website  **A visual representation of this document**

Check ruixintang.site for demonstrative projects and my life.