Ruilin Yang

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EDUCATION

Oct, 2021 - present   **MSc Information and Communication System, TUHH, Germany**
Sep, 2018 - Jul, 2021   **BSc Technical Computer Science, University of Twente, the Netherlands**
                - Cum Laude
                - Thesis"Didactic Visualisation for a Searchable Encryption Scheme", 8.6/10

SKILLS

Language   Skills:
          English: C1 | German: A2/B1 | Chinese: Native | Dutch: A1
Developer Skills:
          - Frontend development (HTML, CSS, JavaScript)
          - Backend development (Node.js, Java, RESTFUL API, MongoDB Atlas)
          - Teamwork: Git, Agile Development & SCRUM
          - Data Visualisation (Python, JavaScript: various visualisation libraries)
          - Others: Requirement Engineering

PROJECTS

Side projects at TU Hamburg:
03/2022   LufthansaTechnik-IT process distinguisher (100%)
          - A full stack web application to help determine the similarities among processes.
          - Keywords: Requirement Engineering, Web Development, MongoDB, Heroku

Some of my projects at University of Twente:
07/2021   Didactic Visualisation for a Searchable Encryption Scheme (100%)
          - A research about how visualisation can help student study complex encryption schemes
          - Keywords: JavaScript, Cryptography, Education
04/2021   GUI for Parity Game Algorithm Research
          - A GUI for researchers of Parity Game including several classic algorithms built-in
          - Keywords: Java, Requirement Engineering, Backend Development, Agile & SCRUM
07/2020   A language interpreter for a pure functional language
          - A language parser and evaluator in Haskell
          - Keywords: Haskell, Functional Programming, Language Parsing
06/2020   AI Snake
          - An intelligent Snake program in Prolog
          - Keywords: Prolog, Logic Programming, Artificial Intelligence
04/2020   Graph Isomorphism and Automorphism (80%)
          - Efficient algorithms to compute graph isomorphism and automorphism
          - Keywords: Python, Graph Theory, Color Refinement, Automata, Abstract Algebra
07/2019   Dashboard for a logistic software company
          - An information system that retrieve, store, aggregate, and visualise data by user's choice
          - Keywords: Java, REST API, Web Development, JDBC, Agile & SCRUM
02/2019   Spectrangle board game
          - A board game software that supports online/offline mode for single/multiple users
          - Keywords: Java, MVC pattern, Concurrency

EXTRACURRICULAR ACTIVITIES

At TU Hamburg:

10/2021 - 03/2022 **Fish for Experience, Lufthansa Technik & TUHH career center**
- defining a framework to distinguish standard/non-standard process at Lufthansa Technik to help cut its IT maintenance cost

At University of Twente:

10/2019 - 03/2020,

10/2020 - 03/2021 **Teaching Assistant, University of Twente**
- TA for module "Pearls of Computer Science" and "Software Systems"