Tong Yao

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Address: Haagstr.12 E02, Erlangen, 91054
Birthdate: 1994-08   Gender: Male
Current Status: Permitted to Work in Germany   Objective: Graduate Program/ Junior Developer

EDUCATION

University Erlangen-Nuremberg	Oct 2018 - Jun 2022
Computational Engineering Master	Germany
Shandong University	Aug 2012 - May 2016
Telecommunications Engineering Bachelor	China

PROFESSIONAL EXPERIENCE

Siemens Mobility	Jan 2021 - Jun 2022
Working Student (Data Visualization & Full - Stack Development)	Erlangen, Germany

- Data Visualization by Business Intelligence tools and Web Development Technologies. Frontend: Tableau, Mendix, Angular and related Data Visualization Packages.Backend: Node.js. Database: Oracle SQL.

China Mobile Communications Group Co., Ltd.	Jun 2016 - Feb 2018
Telecommunications Engineer	Kunming, China

- Responsible for developing and maintaining network operations across Yunnan Province, including Optical Transport Network and Wireless Network.

PROJECT EXPERIENCE

A Data Visualization System for Internal Logistic Department in Siemens Mobility   Nov 2021 - Jun 2022
- Built by Angular and Tableau in Frontend, Node.js provides REST API as Backend, and Oracle SQL as database.
- Demo Video available here: Demo Video.

A 3D Viewer based on Panorama   Apr 2021 - Jul 2021
- Building by Three.js in an Agile Development Team.
- Project Repository Available here: 3D_Viewer

A ToDo List Web App and a Personal Blog   Sep 2020 - Nov 2020
- Built by HTML/CSS/Javascript, Node.js and MongoDB.
- App and Blog available here: ToDoList and Blog.

A Drum Kit Game and a Simon Game   Aug 2020 - Sep 2020
- Built by HTML/CSS/Javascript and jQuery.
- Page available here: Drum_Kit and Simon_Game.
- Source code available here: Drum_Kit and Simon_Game.

A Personal Webpage and the Homepage for TinDog APP   Jun 2020 - Jul 2020
- Built by HTML/CSS and Bootstrap.
- Page available here: Personal_Info and TinDog.
- Source code available here: Personal_Info and TinDog.

Deep Learning Algorithms Implementation   Apr 2020 - Jun 2020
- Building CNN, RNN and ResNet from scratch by Numpy and Pytorch.
- Source code available here: DL_Algorithm.

Machine Learning Algorithms Implementation   Dec 2019 - Feb 2020
- Studying and building machine learning algorithms by Scikit-Learn, NumPy, Pandas, Matplotlib and Tensorflow.
- Source code available here: ML_Algorithm

SKILLS, MAJOR COURSES & OTHERS

- **Skills:** C/C++, Python, MatLab, R, Pytorch, Tensorflow, Scikit-Learn, NumPy, Pandas, Matplotlib, HTML, CSS, Typescript, Javascript, EJS, ES6, Bootstrap, jQuery, Angular, Node.js, RESTful API, React, UX design, Git/GitHub, SQL, MongoDB, Mongoose, Heroku, Linux Shell, AWS, Tableau, Mendix, MS Office.
- **Major Courses:** Machine Learning, Computer Vision, Deep Learning, Agile Method and Open Source, Architecture of Supercomputers, Web Development
- **Languages:** English (C1), German (A2), Chinese (Native Speaker).
- **Activities:** 2nd Place in Image Generation Hackathon by DATEV, 3nd place in Mendix Hackathon by Siemens, Machine Learning Hackathon by Daimler.
- **Interests:** Basketball, Tennis, Fitness.