




Yichen Tong

Personal website <https://yichentong.github.io/>
Expected fields Software Asset Manager/Developer/Data Analyst/AI
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Education

Computer Science and Technology		Sept. 2018 – Jun. 2022
North China Electric Power University	 Baoding, China	Bachelor of Engineering
Software Engineering & Artificial Intelligence and Knowledge Engine		Mar. 2022 – Jun. 2022
Wroclaw University of Science and Technology	 Wroclaw, Poland	Remote Erasmus exchange
Computer Science: Software Engineering and Green IT		Sept. 2022 – Aug. 2024
Universiteit van Amsterdam & Vrije Universiteit	 Amsterdam, the Netherlands	Master of Science




Academic experience



- Patent (individual inventor): A Kind of Absorption Ceiling Router 2021
 - Software copyright: College Dormitory Intelligent Distribution System 2021
 - Scholarship for Technology and Innovation, Scholarship for Cultural Activities, Merit Student 2020, 2021
 - First Prize in Computer Application Competition (ranking No.1) 2021
 - Second Prize in National English Competition for College Students (ranking first 1.5%) 2021
 - All **Excellent** in National Training Programs of Innovation and Entrepreneurship for Undergraduates 2019, 2020
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Skills







- Java** Good at using Java as the primary programming language to participate in the development of software systems.
 - C/C++** Capable of basic software and hardware design, development, and especially system testing.
 - Python** Able to implement AI project functionalities by training basic machine learning models.
 - C#/Sql** Good at developing desktop software using WinForms and SqlServer; able to create basic models in Unity3D.
 - Adobe** Skilled in using Ps, Pr and Lr for basic image processing, video editing, and photo post-production.
 - Office** Skilled in using Microsoft Office series (Word, PowerPoint, Excel, and Visio) to enhance office productivity.
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Work Experience



-  **Vrije Universiteit Amsterdam** **Amsterdam**
Teaching assistant May 2023 – present
 - Engaged in course organization, teaching, seminar hosting, grading, and optimizing for Software Asset Management (Master's course) and Software Engineering Process (Bachelor's course).
-  **Tencent International Service Europe B.V.** **Amsterdam**
IT engineer and project manager, intern Jul. 2023 - present
 - Engaged in Tencent Overseas IT architecture strategies and projects, especially the email migration project and studio adoption.
 - Individually developed an Office IT Inventory Management Desktop software, optimizing daily IT procedures and operations.
-  **HARIBIT Intelligent Technology Co., Ltd.** **Beijing**
Embedded software development engineer, intern Jul. 2021
 - Designed communication methods for mobile devices and intelligent chips of embedded systems based on BLE and WIFI.
Developed intelligent light switch based on ESP32, which supports remote control.

-  **Xi'an Soft Power Network Technology Co., Ltd.** **Xi'an, Shaanxi**
 Java software development engineer, intern Jul. - Aug. 2020
 - Maintained the surveillance software based on NIO for a client company using Java as the programming language.
 - Managed the database of websites via MySQL to maintain normal operation including auditing and uploading news.
 -  **Bank of China Shaanxi Branch** **Xi'an, Shaanxi**
 Department of Individual Digital Finance, intern Jul. - Aug. 2022
 - Led a team of 12 people as the head of the team, responsible for the Bank of China's cross-border App, personal digital finance business and digital RMB-related business in design, organization, practice and execution.
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Technical Projects

-  **Mind Control: Analysis and Application of EEG Signals** **National Level**
 Team Leader Apr. 2020 – Apr. 2021
 - Managed a team of 3 students to design and develop software that accepts EEG signals as inputs and outputs emotion status based on a recognition algorithm using discrete wavelet packet transform. Graded as *"Excellent"*.
 - Programmed software supporting both Android and PC working with a headband with electrodes for collecting signals.
 -  **College Dormitory Distribution System** **Provincial Level**
 Team Leader Apr. 2019 – Apr. 2020
 - Programmed distribution system in Java programming language that accepts student information and outputs distributed dormitory lists depending on students' multidimensional information using the K-means algorithm.
 - Managed a team of 3 students to accomplish missions including preliminary investigation, work division, project advancement and coding modification. Graded as *"Excellent"* and successfully applied for national software copyright.
 -  **Face Recognition Embedded System for Gate Control Based on ESP32** **Bachelor Graduation Project**
 Individual Developer May – Jun. 2022
 - Designed hardware and programmed for gate control, which grants access by recognizing faces. Graded as *"Excellent"*.
 -  **Textual Emotion Recognition System Based on Word2vec** **School Level**
 Individual Developer May – Jun. 2021
 - Designed an algorithm in Python programming language based on word2vec that can recognize the emotion behind texts.
 - Programmed a system using a model trained with 200 thousand pieces of text data and achieved a high recognition accuracy.
 -  **CAPTCHA Image Recognition Based on Machine Learning** **School Level**
 Team Leader Mar. 2022
 - Designed automatic image recognition to simplify the process of CAPTCHA manual input.
 -  **Warehouse and Library Management Systems, Handwrite Paper App** **School Level**
 Team Leader Dec. 2020 – Jan. 2021
 - Using C#/.Net, managed a team of four students to design, program, and test warehouse management system and library management system, which can help logistics personnel manage the college warehouse and library more efficiently.
 - Implemented automatic recognition of handwritten arithmetic by training CNN convolutional neural network models.
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Extracurricular Activities

-  **College Basketball Contest Referee** **2019, 2020**
 - Participated in annual school basketball contests as referee and planner of the university basketball referee committee, which appealed to 28 teams to compete. Gained National Basketball Referee of Seemed Category Certificate.
 -  **Party Host** **2018, 2019, 2020, 2023**
 - Hosted the 2023 Chinese New Year Gala in the Netherlands, welcome party, New Year's Eve party and animation club anniversary party as a member of the Literature and Art Organization Department. Organized host training.
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HOBBIES AND PERSONALITIES

- Reading and writing, guitar fingerstyle, photography (independent photographer), new media operation (video content creator). Personalities: enthusiastic, persistent and target motivated. Good at learning and easy to get along well with others.
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