

Yichen Tong

Expected fields:

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Education

Computer Science and Technology

North China Electric Power University Baoding, China

Sept 2018 - June 2022

Bachelor of Engineering

Software Engineering & Artificial Intelligence and Knowledge Engine

Wroclaw University of Science and Technology Wroclaw, Poland

Mar 2022 - June 2022

Remote Erasmus exchange

Computer Science: Software Engineering and Green IT

Universiteit van Amsterdam & Vrije Universiteit Amsterdam, the Netherlands

Sept 2022 - Aug 2024

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

Skills

- Python, Java, C++, C#.Net, SqlServer, Microsoft Office (Word, PowerPoint, Excel, Visio), Adobe series (Ps, Pr, Lr)
- 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 testing.
- Python: Able to implement AI project functionalities by training basic machine learning models.
- C#: Good at developing desktop software using WinForms and SQL Server; capable of creating basic models in Unity3D.
- Adobe: Skilled in using design tools such as Ps, Pr and Lr for basic image processing, video editing, and photo post-production.
- Office: Skilled in using Microsoft Office software including Word, PowerPoint, Excel, and Visio to enhance office productivity.

Work Experience

Tencent International Service Europe B.V.

Amsterdam

IT engineer and project manager, intern

Jul. 2023 - now

- Participated in Tencent Overseas IT Product/solution projects, especially the email migration project.
- Engaged in implementing and managing studio adoption and Tencent Overseas IT architecture strategy.

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.

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 internship team, responsible for the Bank of China's cross-border App, personal digital finance business and digital RMB-related business
 - Participated in the Bank's digital finance business projects in practice and execution.
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Technical Projects**Mind Control: Analysis and Application of EEG Signal****National Level**

Team Leader

Apr. 2020 – Apr. 2021

- Managed a team of three students to design, program, and develop software that accepts EEG signals as inputs and outputs emotion status based on recognition algorithm.
- Designed the algorithm to recognize EEG signal using discrete wavelet packet transform and programmed software supporting both Android and PC working with a headband with electrodes for collecting signals.
- Passed project final defense with the score of "Excellent" and wrote a paper as final report.

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 list depending on students' multidimensional information using K-means algorithm.
- Managed a team of three students to accomplish missions including preliminary investigation, work division, project advancement and coding modification.
- Passed project final defense with the score of "Excellent" and successfully applied for national software copyright.

Textual Emotion Recognition System Based on Word2vec**School Level**

Individual Developer

May. – June. 2021

- Designed an algorithm in Python programming language based on word2vec that can recognize 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

March. 2022

- Designed automatic image recognition to simplify the process of CAPTCHA manual input.
- Programmed a system using a model trained with 200 thousand pieces of text data and achieved a high recognition accuracy.

Warehouse Management System, Library Management System, Handwrite Paper App**School Level**

Team Leader

Dec. 2020 – Jan. 2021

- Managed a team of four students to design, program, and test warehouse management system and library management system, which can help logistics personnel to manage 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 school basketball referee committee, which appealed 28 teams to compete.
- Gained National Basketball Referee of Seemed Category Certificate.

Party Host**2018, 2019, 2020, 2023**

- Hosted welcome party, New Year's Eve party and animation club anniversary party as a member of Literature and Art Organization Department. Organized host training to cultivate new host for the department.
 - Hosted the 2023 Chinese Lunar New Year Gala in the Netherlands.
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Hobbies and Personalities

- Reading and writing, guitar fingerstyle, photography (independent photographer), new media operation (video content creator).
 - Enthusiastic and outgoing, persistent and target motivated. Easy to get along well with colleagues.
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