**Yichen Tong**

A person in a suit and tie

Description automatically generated**Expected fields: Software Asset Manager/Developer/Data Analyst/AI**

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Birthday: January 29, 2000

# Education

## Computer Science and Technology Sept 2018 - June 2022

North China Electric Power University Baoding, China Bachelor of Engineering

## Software Engineering & Artificial Intelligence and Knowledge Engine Mar 2022 - June 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

# 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.

# 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.

# 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.

# 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.