

# Zhengtian Chu

University of Nottingham

[scyzc3@nottingham.ac.uk](mailto:scyzc3@nottingham.ac.uk)

07579 951 192

Currently in my second year studying in department of Computer Science in University of Nottingham.

Interested in all aspects of Artificial Intelligent, especially in Machine Learning and Data Mining.

## Education

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### University of Nottingham

BSc Hons Computer Science with AI

*September 2020 - June 2022*

### Peking University

Summer School

*July 2019 – August 2019*

- Experience of using Python to crawl user comments in Weibo and applying word embedding model to do sentiment analysis.
- Learned computer network related courses.

### University of Nottingham Ningbo China

BSc Hons Computer Science with AI

*September 2018 - June 2020*

- Modules have included software engineer, database and interface and Java programming.
- Experience of using programming tools such as JavaScript, PHP and HTML to build a mask-sales website.

## Work Experience

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### User-Centric Computing Group ([website](#)) ([Github](#))

**Ningbo, China**

*Member*

*May 2020 - Present*

- Working in an undergraduate on-campus research society with more than 10 undergraduate students.
- Participating in some of the group's research, more details on the website.

### University of Nottingham Ningbo China

**Ningbo, China**

*Internship*

*July 2020 - August 2020*

- Used Python to download and organize tweets through Twitter API.
- Selected AI methods (BTM and LDA) to build the model and analyze the topics.

## Technical Experience

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### (Research) Temporal Convolutional Network Based Regression Approach for Estimation of Remaining Useful Life, Prof. Yaohua Wang

NUDT, Changsha, China

Research Assistant

July 2020 - Present

- Preprocessed the original data and draw relevant pictures and tables.
- Built a LSTM network structure to compare with TCN to show the effectiveness of TCN.
- Participated in Paper writing and regular group discussion.

## Computer Skills

- Proficient in Python, Keras and TensorFlow - dealt with some machine learning and data mining projects.
- Learned C, Haskell, Java, SQL to do some basic programming.
- Applied PHP, JavaScript and HTML to build a website in first year coursework.

## Publications

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Li, R., Wang, Y., Chu, Z., Jin, W., Hu, X. (2020). Temporal Convolutional Network Based Regression Approach for Estimation of Remaining Useful Life. International Conference on Prognostics and Health Management. London, United Kingdom (ICPHM). (Under Review)

## Extra-curricular Activities

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### UNNC VC Basketball Association

Ningbo, China

President

June 2019 – May 2020

- Leading four departments, assigning tasks and communicating with school leaders.

### Maldives Sunshade Volunteers

Maldives

Volunteer

Jan 2019 – Feb 2019

- Participating in a series of island environmental protection activities, cleaning up beaches, painting residents' walls, and helping local residents lay roads.