

# Zhengtian Chu

University of Nottingham

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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.