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 Data Science and Machine Learning.

Education

University of Nottingham

BSc Hons Computer Science with AI   *September 2020 – Present*

- Working in a software group project with Kainos, using Node.js, HTML, MongoDB to build a website that can manage user needs (user need manager).

- Courses: Developing Maintainable Software (95/100), Operating Systems & Concurrency (92/100).

Peking University

Summer School   *July 2019 – August 2019*

- Course of Python Programming (84/100)

University of Nottingham Ningbo China

BSc Hons Computer Science with AI   *September 2018 - June 2020*

- Modules have included Software Engineering, 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

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.

Technical Experience

Research Assistant   **Changsha, China**

National University of Defense Technology, Prof. Yaohua Wang   *July 2020 – August 2020*

- 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.

Research Assistant   **Ningbo, China**

University of Nottingham Ningbo China, Prof. Heng Yu   *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.

Computer Skills

- Proficient in Python（NumPy, Matplotlib, pandas, Keras and TensorFlow).
- Learned some courses about data science on Coursera.
- Learned C, C++, Haskell, Java, SQL to do some basic programming.

Publications

Temporal Convolutional Network Based Regression Approach for Estimation of Remaining Useful Life, 2021 IEEE International Conference on Prognostics and Health Management (ICPHM) (Accepted)

The second author   *June 2021*

Extra-curricular Activities

UNNC VC Basketball Association   **Ningbo, China**

President   *June 2019 – May 2020*

- Led four departments, assigned tasks, and communicated with school leaders.

Maldives Sunshade Volunteers   **Maldives**

Volunteer   *Jan 2019 – Feb 2019*

- Participated in a series of island environmental protection activities, cleaned up beaches, painted residents' walls, and helped residents lay roads.