

# Taijie CHEN

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## Education

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**BEng in Software Engineering(Average grade:87.6) (Sept. 2017 – Jun. 2021)**

Nankai University

**MSc in Computer Science(Sept. 2021-Now)**

The University of Hong Kong

## Research Experience

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**Strategy Representation and Reasoning in General Game Playing Algorithms**  
(National Natural Science Foundation Project No. 61806102)

**Jan. 2019 – Dec. 2020**

- Comparing the performance of traditional Monte Carlo Tree Search algorithm and Memory Enhanced Monte Carlo Tree Search algorithm in zero sum and non-zero sum games.
- Implementing heuristic search in the Memory Enhanced Monte Carlo algorithm.
- Building Servers, deploying the General Game Playing platform.

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**Nankai Educational Resources Net**

**Jul. 2020 – June 2021**

- Building the educational resources net for Nankai University based on the Knowledge Graph.
- Solving difficulties with graph representation.
- Implementing and incorporating video editing functions into the interface.

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**VR based Intangible Cultural Heritage Protection:**

**Oct. 2019 – Jun. 2020**

A Case Study of Tianjin Clay Figure ZHANG

- Project in Chinese intangible cultural heritage protection program, simulating and recreating the movements of clay figure making by using VR and LSTM Neural Network
- Solving the problem of hand gesture overlapping by training the LSTM models.

- Improving my ability to propose and plan projects, manage projects, and follow up (As team leader, we secured funding for this project from Tianjin University Student Innovation & Entrepreneurship Foundation).

## Internship Experience

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**Software College, Nankai University**

**Jun 2020 – Jul. 2020**

### TA in Advanced Programming Language Training

- Module content: Visual programming with Qt and C++, project based training module.
- Role & Action: Answering questions and solving problems of students in their projects, reviewing and grading the projects by student groups.

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**Taikang Life Insurance Co., Ltd. (Inner Mongolia Branch)**

**May 2020 – Jun. 2020**

### IT Intern

- In charge of system operation and maintenance at the IT department.
- Participating in Database design, DAO level, Service level, and Controller level coding.

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**Chinasoft International Tianjin**

**Jul. 2019 – Aug. 2019**

### Intern programmer

- Crawling data from National Statistics Bureau websites, data cleaning and using SVM training models to predict citizen health status.
  - Data cleaning and manual feature attribution to avoid overfitting in a small sample
  - Using Springboot to build website, using Hadoop to perform data analysis and visualizing data analysis by using Echart.
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## Other Related Accolades

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- Director of Practice Department, Social Practice and Volunteer Service Supervision Center, School of Software, Nankai University, directing and participating in many social work and charity work.
  - Deputy Chairperson, Boling Drama Club, School of Software, Nankai University, organizing drama performances, winning university level 3<sup>rd</sup> Prize in Reform & Opening Up 30<sup>th</sup> Anniversary performance.
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## Awards

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- Successful Participation, ICM Contest
- 3RD Prize, National Internet Plus Contest Tianjin Division.
- 3RD Prize, Nankai University “Garden Cup” Marketing Competition.
- Silver Prize, Nankai University Internet Plus Entrepreneurship Contest.
- Scholarship for Excellent Studies.
- Scholarship for Innovation & Entrepreneurship.
- Scholarship for Social Charity, etc.