

Chenyuan Shangguan

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EDUCATION

- **North China Electric Power University** Beijing, China
Master of Computer Science and Technology *Sep. 2021 – Jun. 2024*
GPA: 82.7/100, Advisor: Prof. Ying Zhang
- **Beijing City University** Beijing, China
Bachelor in Software Engineering *Sep. 2016 – Jun. 2020*
GPA: 3.6/4.0, Ranking: 2/63
- **Beijing Jiaotong University** Beijing, China
Minor in Urban Transportation *Sep. 2017 – Jun. 2021*

PUBLICATIONS

- Ying Zhang*, **Chenyuan Shangguan**, Xuena Zhang et al. “Computer-Aided Diagnosis of Complications after Liver Transplantation Based on Transfer Learning”, **Interdisciplinary Sciences: Computational Life Sciences**.

PATENTS

- A Prediction Method for Mechanical Properties of Coarse-grained Soil with Large Particles Based on Progressive Ensemble Learning (co-inventor) - CN Patent #CN115204499A
- A Prediction Method for Mechanical Properties of Coarse-grained Soil Based on The Sequence Model (co-inventor) - CN Patent #CN115221783A

EXPERIENCE

- **Research on prediction of complications after liver transplantation based on transfer learning:**
Proposed a framework to increase the accuracy of computer-aided diagnosis of complications after liver transplantation with transfer learning, and to explore key features of postoperative complications.
- **Research on scale effect of coarse-grained soil based on deep learning:**
Proposed a method called Incremental Regression for Transfer Learning (iReTL) to characterize the stress-strain behavior of coarse-grained soils, specifically targeting the mechanical properties of coarse-grained soils with large particle sizes.
- **Dataset Detecting System based on Large Language Model:**
Developed a robust information extraction system to detect dataset-related information in newly published papers. First, we used smaller language models to filter papers that introduce new publicly available datasets by analyzing titles and abstracts. Then, to extract key information about these datasets, we employed a Longformer-based LLM to parse the full text.

HONORS

Scholarships

- First Prize Scholarship, Beijing City University 2019

Awards

- Outstanding Graduate, Beijing City University 2020
- The 9th National Software and Information Technology Professionals Competition (Blue Bridge Cup) 2020
- National Excellent Award 2018

ADDITIONAL INFORMATION

English

- TOEFL-iBT: 84