CHENGXI LI

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Education

Harbin Institute of Technology Harbin   09/2019 – Present
Computer Science and Technology   Undergraduate, Anticipated Graduation Date: 2023.06

- Part of the course grades:Probability Theory and Mathematical Statistics (99),Calculus (97),Set Theory and Graph Theory (95),Data Structures and Algorithms (94),Computational Modeling (91)

Awards

- **The 2020 ICPC Asia Shenyang Regional Contest** *Gold Medal*   *07/2021*
- **2020 China Collegiate Programming Contest,Mianyang Site** *Gold Medal*   11/2020
- **The 2020 ICPC Asia Jinan Regional Contest** *Silver Medal*   12/2020
- **2020 China Collegiate Programming Contest Finals** *Silver Medal*   *05/2021*
- **The 14th Chinese Northeast Collegiate Programming Contest** *First Prize*   *10/2020*
- **The 15th Chinese Northeast Collegiate Programming Contest** *First Prize*   *05/2021*
- **The 15th Heilongjiang Provincial Collegiate Programming Contest** *First Prize*   09/2020
- **The 16th Heilongjiang Provincial Collegiate Programming Contest** *First Prize*   05/2020

Internship

HIT-SCIR   Harbin   07/2020 – Present
Linguistic Analysis Department   Research Assistant

- Read NLP and DL related papers.
- Conduct a project about Lifelong learning for SLU.

Person Project

- **Conscious Artificial Intelligence based on Needs** *AI Project*   11/2021

  develop ConsciousControlFlow(CCF) to show the need-based conscious AI. The system is based on the computational model with a short-term memory (STM) and long-term memory (LTM) for consciousness and the hierarchy of needs.

- **SIIM-ACR Pneumothorax Segmentation** *CV Project*   12/2021

  Develop a CNN-based Network to classify (and if present, segment) pneumothorax from a set of chest radiographic images.

- **Life and Death of a 'Hello'** *Computer System Project*   6/2021

  Analysis of hello program in Linux P2P and o2o process, through the skilled use of a variety of tools, studying Linux framework under the entire program declaration cycle.

Skills

- **Program Language**: comfortable with C C++ Python.
- **Algorithm Design**: learned algorithm competition, familiar with some common data structures and algorithms with algorithm design capabilities.
- **Research Skill**: have experience with AI project, can adapt to common machine learning package, familiar with Pytorch.

Miscellaneous

- Won three People's Scholarships