Xu Yingfei
https://github.com/Pooh-1129
Email : 201240027@smail.nju.edu.cn

Education

- **Nanjing University** Nanjing, China
  Kuang Yaming Honors School, computer science and technology *Sep. 2020 -*
  - **GPA**: 3.44
  - **Awards**: Peoples's Awards in 2021

Experience

- **National Institute of Healthcare Data Science At Nanjing University**
  Intern *Sep 2022 - March 2023*
  - **Coloretal cancer staging**: Working with Jiangsu Province Cancer Hospital, use MedicalNet and feature enhancement to build up a few-sample image classification model for automatically identify the T-stage.
- **National College Student Innovation and Entrepreneurship Training Program**
  Group leader *Sep 2022 -*
  - **Aortic morphological diagnostic analysis based on brain science and artificial intelligence**: Based on 3DSlice and vmtk, extract the high-risk morphological parameters of aortic vessels automatically, like centerline radius and angulation, then train a neural network to predict the risk of aortic dissection and assit in making decisions on in aortic stents.
- **Intelligent Software Engineering Group** Nanjing University
  Group Member *April 2022 -*
  - **Code-summarization with EDUs**: Inspired by elementary discourse units (EDU) of RST in NLP field, it can be applied to the reference comments in the training process to generate fine-grained (subcode, EDU) pairs, thus enhancing the model learning of the core correspondence between the code and reference, to better the performance of pretrained code model like UniXcoder.

Projects

- **Coursera Deep learning**: The high-quality content and projects of this class equip the learners with necessary knowledge and skills for this field, and it also covers some recent models like Transformers.
- **Stanford cs231n**: A introductory course to computer vision, which puts emphasis on CNN and relevant optimization methods, and assignments strengthen the understanding of the backward propogation and gradient computation.
- **NJU OSLab**: OS labs, from the computer hardware perspective, implement a multiprocessor operating system kernel based on a simplified hardware abstraction layer, providing some basic OS APIs to applications.Mini labs, from application perspective, understanding the meaning of the existence of objects and the use of operating system APIs through the implementation of a series of interesting code.
- **NJU ICS PA**: This project implements a simplified but fully functional RISC-V emulator NEMU (NJU EMUlator) from zero. Specifically, implement the RISC-V instruction set system and then build a mini-OS on top of it, finally run the game "The Legend of Sword and Fairy" on it.
- **NJU Tai-e**: A program analysis framework for real-world Java programs, where the assignments include program analyses for complier optimization (e.g., live variables analysis, constant propagation, dead code detection), fundamental program analyses (e.g., call graph construction, context-insensitive and various kinds of context-sensitive pointer/alias analyses), and client analysis for program security (e.g., taint analysis).