Peiqi Yin

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EDUCATION

- **Southern University of Science and Technology** Shenzhen, China
  Undergraduate of Computer Science and Engineering; GPA: 3.69/4.0 *Aug. 2018 – Present*

HONORS AND SCHOLARSHIPS

- **2020 ICPC Asia Shanghai Regional Contest Silver Medal** 2020
- **2020 CCPC Qinhuangdao Site Silver Medal** 2020
- **2020 GMCPC Golden Medal (Rank 3/45)** 2020
- **2019 ICPC Asia Xuzhou Regional Contest Bronze Medal** 2019
- **2019 ICPC Asia Xuzhou Regional Contest Fastest Solved Award** 2019
- **Outstanding student scholarship(SUSTech)** 2018,2019,2020

PUBLICATIONS

Yidi Wu, Yuntao Gui, Tatiana Jin, James Cheng, Xiao Yan, **Peiqi Yin**, Yufei Cai, Bo Tang and Fan Yu, *Vertex-Centric Visual Programming for Graph Neural Networks*, SIGMOD Demo 2021.

PROJECTS

- **SUSTeam**: An online game platform that enable users to purchase, download, and comment. SDK provided to developers to support friend invitations, cloud archives, DLC, incremental updates, etc. You can look for more details from https://github.com/SUSTech-OOAD-2020FALL-SUSTeam.
- **RDT**: Reliable data transfer implementation. Contains two transfer modes, three-way handshake and four-way wavehand. You can look for more details from https://github.com/yinpeiqi/CS305-project-RDT.
- **Tickets Booking System**: I implemented a ticket booking system. Which can provide functions of searching rest tickets, booking tickets and other functions for developer. The data came from the real world.
- **Fix Issues**: Fixing issues for some open-source projects in Github. Contributions were merged by large projects with thousands of stars.

EXPERIENCES

- **Research Assistant** Jun. 2020 - Present
  Working with my mentor Bo Tang and Xiao Yan in Sustech DBGroup.
  - **Large-scale Database for System on Chip (SoC) Verification**: Tried for compression algorithm for high throughput measurement data generated by FPGA with the using of modern algorithm in data compression area. Currently working on the design of Soc Verification System.
  - **A Vertex-Centric System Designed on GNN System**: Wrote several GNN model for the System such as gcn, rgcn and appnp. Wrote some frontend and backend for the display of SIGMOD demo.

- **Teaching Assistant** Sept. 2020 - Jun. 2021
  Work for University courses and undertake part of the teaching tasks.
  - **CS203: Data Structure and Algorithm Analysis**: The course aims to cultivate talented students who have programming experience before.
  - **CS208: Algorithm Design and Analysis**: The course aims to cultivate students in computer department who already have the basic for algorithm.

- **ACM Team Member** Dec. 2018 - May. 2021
  Learning algorithms and participating in ACM competition. Acted as a referee for SZCCF.

SKILLS

- **Code**: C++, Java, Python, Kotlin, JavaScript, HTML, SQL, Verilog, etc.
- **Language**: CET-4: 530; CET-6: 481; IELTS: ?.