

GeekPie_HPC

ShanghaiTech University

WHO ARE WE

GeekPie_HPC, the HPC department of the **GeekPie** club, has participated in dozens of supercomputing competitions since 2018, accumulating extensive experience. Our team comprises students from diverse disciplines including CS, EE and BME. Not only do we excel academically, but we also bring practical insights from internships at leading companies. This background ensures our expertise in distributed systems, parallel computing, and architecture extends beyond theoretical knowledge to include substantial hands-on experience.



Rui FAN *he/him*
Team instructor
AP @ ShanghaiTech

Zebang HE *they/them*
System, Arch, HPC
Intern @ IPADS Lab



Xinyue JIANG *she/her*
CUDA, AI, GPU Profiling
Perf Engineer @ NVIDIA



Xiang LI *he/him*
System, HPC, CUDA
System Dev Engineer



Luyue TIAN *he/him*
HPC, AI
Intern @ ByteDance



Minhao WANG *he/him*
System, HPC, Compiler
Intern @ PLCT lab



Zhechuan YU *he/him*
Parallel Computing
Exchange Stu @ UCB

OUR STRATEGIES

Training

Led by **4 seasoned veterans** guiding **2 newcomers** to SCC, contest as training while dividing tasks across **3 fronts**. Collaborated with other club departments to gain targeted guidance on **FPGA/operator** development

Environment

Extensive experience deploying cluster environments through multiple SCC competitions. Utilized **NFS** and **distributed** file systems to boost speed. Employed the stable Rocky Linux distribution as the system image. Utilized **Spack** as the package manager, flexibly combining **multiple compilers** including MPICC, GCC, and Clang

Cooperation

Employed **IM** tools and **shared documents** to ensure message sync and resource optimization. Leveraged advanced tools like **slurm**, **tmux**, and **Nix** to guarantee **reproducibility**, **traceability**, and **continuity** of our workflows.



上海科技大学
ShanghaiTech University



GeekPie_



Learn more about...



GeekPie (CN)



GeekPie_HPC