Yao Pu Personal Page

Name:Yao Pu
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Education

2015-2020 Ph.D.,UCAS and (ICCAS) (High Performance Computing for Polymer Particle System and Research on their Statistical Behavior)
2017-2018 M.S Computer Network Information Center, Chinese Academy of Sciences (High Performance of Computing)
2012-2015 B.S, Bei Jing University of Chemical Technoloy (Polymer Science)
2011-2012 B,S. Bei Jing University of Chemical Technoloy (Applied Mathematics)

Project Experience

2019-Present Visulization Molecular Simulation Process By OpenGL

2018-2019 Study Polymer Physical Problem based on Graph theory

1.Study Based on Graph Theory
2.Coding for analysis Graph Theory work for moleculars
3.Tracking dynamic migration path for particles on moleculars during simulation

2017-2018 Develop Simulation SoftWare based On GPU

1.Defining the framework,modules and interface
2.Coding for core algorithm and core modules
3.Coding for post-process software
4.Obtain an Authorized Software Copyright 2019SR0050680

2016-2017 Develop MonteCarlo Simulation SoftWare

1.Defining the framework,modules and interface
2.Operator of moving

Internship experience

2019-08-16-Present Bei Jing Graph optimization company
Developers and architects for Privated Blas

Computer Skills

Language

C++ C++ API Design CUDA Python (Major programming languages)
OpenGL shell

Library

Eigen

networkx graph-tool GNU Scientific Library cuBLAS cuDNN tensorRT

Operator System

Ubuntu

Tool

Git Make Cmake nvvp valgrind gprof nvprof doxygen

C++ coding style

Google C++ Style

Mathematical Course

Mathematical analysis, Higher algebra and analytic geometry numerical analysis ,Mathematical Software
Complex Variable Function and Integral Transform Partial differential equation equation

Language

Tœic 550

Honor and Awards

2019 Youth Academic Forum Excellence Award of ICCAS
2017/2018 Merit Student of UCAS
2014 National Inspirational Scholarship
2013 Beijing Higher Education Society Cup Mathematical Modeling Competition (2nd Award)
2012 Beijing University Student Physics Competition (3rd Award)
2012 Beijing University Student Mathematics Competition (3rd Award)

Focus areas

Deep Learning, High performance computing ,Graph Computing

Publications and Conferences

1. Pu Yao,Yedi Li,Hongxia Guo*,Accelerate Equalibration Polymer Melts with Million Particles By GPU (To be submitted)
2. Pu Yao,LuKun Feng,Hongxia Guo*,Study many architecture polymers by Graph theory (To be submitted)