

6+ years experience of large-scale software development with C programming on the Linux system throughout my Ph.D. journey. Seeking a challenging and rewarding opportunity with low-level system programming (eg. device driver, Linux kernel, CPU architecture) to apply my skills at a fabless company.



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Programming

- C
- Bash scripting
- System programming
- CUDA
- Python

Operating System

Linux - user
Linux - kernel

Architecture

ARM architecture



Software & Tools

- Git
- Vim
- Gdb
- Valgrind

Languages

Chinese (native)
English - writing
English - speaking
English - listening
English - reading

📅 08/2016 - 06/2022
📍 National Taiwan University, Taiwan

📅 12/2014 - 01/2016
📍 TDK corporation, Singapore
Design surface acoustic wave(SAW) filters

08/2013 - 08/2014
Military Service

- 📅 09/2011 - 07/2013
📍 National Taiwan University, Taiwan M.Sc. in Physics
- 📅 09/2006 - 07/2011
📍 National Central University, Taiwan B.Sc. in Mathematics

🏆 My first achievement

Numerical algorithm

Large-scale project


cscope



makefile

GNU autotools

PUBLICATIONS

An adaptive mesh, GPU-accelerated, and error minimized special relativistic hydrodynamics code

 **Po-Hsun Tseng**, Hsi-Yu Schive, Tzihong Chiueh










 2021  Monthly Notices of the Royal Astronomical Society Vol. 504, pp. 3298-3315

 [ADS](#), [arXiv](#)

TALKS

- An adaptive-mesh, GPU-accelerated, and optimally error-controlled special relativistic hydrodynamics code
Oral (remote), American Center for Physics College Park, U.S.A Mar. 2021
- A new and accurate code for simulating special relativistic hydrodynamics
Oral, Annual Meeting of the Physical Society of Taiwan, NPTU. Feb. 2020

REFERENCES

- Please send an appointment letter to request a call. 😊
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