Nelson Cheung

(Another Name: **Junyu Zhang** or **Kwanyu Cheung**)

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Education

Sun Yat-sen University	2024 – Present
Computer Science and Technology, Ph.D.	*Guangzhou, China*
Sun Yat-sen University	2022 – 2024
Computer Science and Technology, M.E.	*Guangzhou, China*
Sun Yat-sen University	2018 – 2022
Computer Science and Technology, B.E.	*Guangzhou, China*

Research Experience

Research Intern — 07, 2021 – 07, 2022
Huawei 2012 Lab — *Shenzhen, China*
- Design security modules for SRE team in Huawei cloud based on Linux kernel
- Design anomaly detection algorithm and Interception mechanism

Other Experience

Chief Editor of Textbook — 03, 2021 – 07, 2021
Sun Yat-sen University — *Guangzhou, China*
- Write a textbook named A Concise Tutorial of Operating System.
- Apply the textbook to SYSU 2021 Spring Operating System Course.

Research Presentations

Zhang, J., Chen, P., He, Z., Chen, H., and Li, X. 2024. Real-Time Intrusion Detection and Prevention with Neural Network in Kernel Using eBPF. In *2024 54th Annual IEEE/IFIP International Conference on Dependable Systems and Networks (DSN)* (pp. 416–428).

Awards & Honors

Sun Yat-sen University Outstanding Student Scholarship First Prize
Sun Yat-sen University — *2019*

Sun Yat-sen University Outstanding Student Scholarship Second Prize
Sun Yat-sen University — *2020*

National Computer System Ability Competition and Operating System Design Third Prize
National College Computer Education Research Association — *2021*

Guangdong Everbright Bank Scholarship
Sun Yat-sen University — *2022*

Specialized Skills

Programming Languages: Assembly, C/C++, Python, Java, Go, Rust, SQL, Markdown, LaTeX
English Skills: CET-6