

# Nelson Cheung

(Another Name: Junyu Zhang or Kwanyu Cheung)

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## Education

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<b>Sun Yat-sen University</b> <i>Computer Science and Technology, M.E.</i>	2022 – Present <i>Guangzhou, China</i>
<b>Sun Yat-sen University</b> <i>Computer Science and Technology, B.E.</i>	2018 – 2022 <i>Guangzhou, China</i>

## Research Experience

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<b>Research Intern</b> <i>Huawei 2012 Lab</i>	07, 2021 – 07, 2022 <i>Shenzhen, China</i>
<ul style="list-style-type: none"><li>• Design security modules for SRE team in Huawei cloud based on Linux kernel</li><li>• Design anomaly detection algorithm and Interception mechanism</li></ul>	

## Other Experience

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<b>Chief Editor of Textbook</b> <i>Sun Yat-sen University</i>	03, 2021 – 07, 2021 <i>Guangzhou, China</i>
<ul style="list-style-type: none"><li>• Write a textbook named A Concise Tutorial of Operating System.</li><li>• Apply the textbook to SYSU 2021 Spring Operating System Course.</li></ul>	

## Research Presentations

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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

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<b>Sun Yat-sen University Outstanding Student Scholarship First Prize</b> <i>Sun Yat-sen University</i>	2019
<b>Sun Yat-sen University Outstanding Student Scholarship Second Prize</b> <i>Sun Yat-sen University</i>	2020
<b>National Computer System Ability Competition and Operating System Design Third Prize</b> <i>National College Computer Education Research Association</i>	2021
<b>Guangdong Everbright Bank Scholarship</b> <i>Sun Yat-sen University</i>	2022

## Specialized Skills

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**Programming Languages:** Assembly, C/C++, Python, Java, Go, Rust, SQL, Markdown, L<sup>A</sup>T<sub>E</sub>X  
**English Skills:** CET-6