## Gongqi Huang

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INFORMATION	E man. gongqin at princeton dot edu
Research Interests	Operating Systems
Education	<ul><li>Princeton University, Princeton, NJ</li><li>Ph.D. Candidate in Computer Science</li></ul>
	<ul> <li>Johns Hopkins University, Baltimore, MD</li> <li>M.S.E in Computer Science</li></ul>
Honors and Awards	Honorable Mentions in 2021 CRA Outstanding Undergrad Researcher Award Dec. 2020
Research Experience	<ul> <li>SNS Group at Princeton University</li> <li>Research Assistant</li></ul>
	Order Lab at Johns Hopkins University
	<ul> <li>Research Assistant Dec. 2019 - Jun. 2022</li> <li>Worked on the network stack of Linux kernel to achieve userspace-defined performance isolation and evaluated the prototype under real world cases.</li> <li>Ported a revocable lock prototype from Solaris to Linux.</li> <li>Developed a S<sup>2</sup>E plugin in C to symbolically identify performance degradation in large software systems due to misconfiguration.</li> </ul>
Teaching Experience	<ul> <li>Intro to Programming Systems, Princeton, COS217</li></ul>
PUBLICATIONS	<b>Gongqi Huang</b> , Leon Schuermann, and Amit Levy. BRIDGE: A Leak-Free Hardware-Software Architecture for Parallel Embedded Systems. <i>To appear in the 2nd Workshop on Kernel Isolation, Safety and Verification (KISV'24).</i>
	Yigong Hu, <b>Gongqi Huang</b> , and Peng Huang. Pushing Performance Isolation Boundaries into Application with pBox. <i>In Proceedings of the 29th Symposium on</i> <i>Operating Systems Principles (SOSP'23)</i> , October 2023.
	Yigong Hu, <b>Gongqi Huang</b> , and Peng Huang. Automated Reasoning and Detection of Specious Configuration in Large Systems with Symbolic Execution. <i>14th USENIX</i>

*Symposium on Operating Systems Design and Implementation (OSDI'20)*, November 2020.