## Gongqi Huang

Contact Information	Address: 194 Nassau St, Princeton, NJ 08542 E-mail: gongqih at princeton dot edu
Research Interests	Operating Systems, Security
Education	<ul><li>Princeton University, Princeton, NJ</li><li>Ph.D. Candidate in Computer Science Sep. 2022 - Present</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>In Proceedings of the 2nd Workshop on Kernel Isolation, Safety and Verification (KISV '24)</i> , November 2024.

Yigong Hu, **Gongqi Huang**, and Peng Huang. Pushing Performance Isolation Boundaries into Application with pBox. *In Proceedings of the 29th Symposium on Operating Systems Principles (SOSP'23)*, October 2023.

Yigong Hu, **Gongqi Huang**, and Peng Huang. Automated Reasoning and Detection of Specious Configuration in Large Systems with Symbolic Execution. *14th USENIX Symposium on Operating Systems Design and Implementation (OSDI'20)*, November 2020.