Masaki Shiraishi

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Education

Waseda University Tokyo, Japan
B.Eng. in Applied Physics, Department of Applied Physics, School of Advanced Science and Engineering
Expected Mar 2028

Experience

Jij Inc. Mar 2026 – May 2026
Quantum Algorithm Researcher Intern

- Quantum computing for operations research and machine learning.

BlocQ, Inc. Apr 2025 – Sep 2025
Quantum Algorithm Research Intern

- Solving ECDLP using Shor's algorithm.

The University of Osaka, QIQB Oct 2025 – Feb 2026
Research Intern

- Loading classical data into quantum circuits.

Publication

A Model Context Protocol Server for Quantum Execution in Hybrid Quantum–HPC Environments 2025 – Present
Role: First Author (Co-authored with researchers from NVIDIA and AIST — *Accepted: QC4C3 Workshop (IEEE QCNC 2026)*; arXiv:2604.08318)

Awards & Programs

Quantum-Circuit Automatic Design Agent Platform with MCP Integration 2026 – Present
Recognition: Selected for IPA MITOU Target 2026 (Quantum Computing Software Development), Basic Track; awarded JPY 3.96M in research funding

Media

Nature 19 Aug 2026
AI tool lets researchers 'vibe code' in the quantum realm
Quoted / Interviewed

- Interviewed and quoted on Pasqal's AI system for quantum computing; the article also references our research and development work.

Open-Source Contribution

- Qamomile (Jij Inc.)

Leadership

- Lead Organizer, Qiskit Fall Fest (with IBM)