

# KOHYA SHIOZAKI

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## Education

- 03/2025 **Master of Engineering (Computer Science and Engineering)**  
Toyohashi University of Technology · Expected Graduation (Current GPA: 3.83/4.0)
  - 03/2023 **Bachelor of Engineering (Computer Science and Engineering)**  
Toyohashi University of Technology · Graduated (GPA: 3.45/4.0)
  - 03/2021 **Associate of Engineering (Information and Control Systems)**  
Kindai University Technical College · Graduated
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## Research Achievements

- 09/2023 **Selection Guideline for Geographical SMR Protocols Using Communication Pattern-based Response Time Models.**  
The 19th Workshop on Theoretical Computer Science (WTCS) · Presented
  - 08/2023 **A Proposal of Selection Guideline for Geographical SMR Protocols Using Communication Pattern-based Response Time Models**  
IEICE Tech. Rep., vol. 123, no. 146, DC2023-9, pp. 7-12, Aug. 2023 · Published
  - 03/2023 **Selecting a Latency-optimal Geographical SMR Protocol and a Replica Placement based on Message Patterns**  
The 85th National Convention of IPSJ · Presented
  - 03/2021 **Development of a Store Evaluation System Using an Image Caption Generation Model**  
Poster Session for Juniors & Students, ISS Special Program, The 2021 IEICE General Conference. · Presented
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## Awards and Scholarships

- 09/2022 Toyohashi University of Technology Overseas Training Scholarship: Recognized for outstanding potential in overseas training programs, receiving a grant of ¥200,000.
  - 04/2016–  
–03/2021 Tuition fee exemption scholarship as a scholarship student at Kindai University Technical College.
  - 03/2021 Silver Award (Second Place) in the Graduation Research Project at Kindai University Technical College, Information and Control Systems course.
  - 03/2020 Recognized for achieving the highest academic performance in the Information and Control Systems course at Kindai University Technical College during the academic year. Eligibility for additional tuition fee exemption was not applicable due to existing scholarship student status.
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## Teaching Experience

<b>Period</b>	04/2023 - 08/2023, 04/2024 - 08/2024
<b>Role</b>	Teaching Assistant
<b>Course</b>	Introduction to Information and Communication Technology
<b>Institution</b>	Toyohashi University of Technology
<b>Details</b>	Assisted in the delivery of coursework, prepared and graded assignments, and provided tutoring support to undergraduate students.

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## Internships

<b>Company</b>	<b>Rakuten Group Inc.</b> , Tokyo, Japan
<b>Period</b>	09/2023
<b>Role</b>	Application Engineer Intern
<b>Details</b>	Developed a new prototype for a refrigerator inventory management app aimed at solving food loss, focusing on backend development. Technologies used: React Native + Expo, Fast API, Cloud Firebase, JavaScript, Python.

<b>Company</b>	<b>KDDI Agile Development Center Inc.</b> , Tokyo, Japan
<b>Period</b>	08/2023
<b>Role</b>	Software Engineer Intern
<b>Details</b>	Enhanced the corporate site of KDDI Agile Development Center by adding new features. Technologies used: Next.js, TypeScript.

<b>Company</b>	<b>Toray Malaysia Systems Solution Sdn. Bhd</b> , Penang, Malaysia
<b>Period</b>	01/2023-02/2023
<b>Role</b>	Infrastructure Engineer Intern
<b>Details</b>	As part of a team developing a machine learning-based monitoring system to enhance safety and efficiency in manufacturing, I designed infrastructure and data foundations. My contributions included implementing asynchronous processing to efficiently manage data from hundreds of RoLa sensors, ensuring data integrity and temporal consistency for accurate analysis. Technologies Used: Asynchronous Processing, C#, Python, RoLa, MS-SQL.

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## Skills

- **Programming Languages:** Go, Python, Java, C, C#, Bash, Rust, JavaScript, TypeScript
- **Development Frameworks:** Django, Flask, Flutter, React Native
- **DevOps Tools:** Git, Docker, Kubernetes, AWS, Azure, GCP
- **Distributed Systems:** Design Principles, Consensus Algorithms (Raft, Paxos, PBFT)
- **Other:** Agile Development Practices, Linux Configuration and Management, Networking Principles