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

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

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.

Teaching Experience

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

Internships

Company	**Rakuten Group Inc.**, Tokyo, Japan
Period	09/2023
Role	Application Engineer Intern
Details	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.

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

Company	**Toray Malaysia Systems Solution Sdn. Bhd**, Penang, Malaysia
Period	01/2023-02/2023
Role	Infrastructure Engineer Intern
Details	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.

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