

# Ryo Morishima

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## EDUCATION

**Keio University**, Kanagawa, Japan

- M.S. in Center for Information and Computer Science Apr 2019 – Current
  - GPA: 3.7 / 4.0
- B.S. in System design engineering Apr 2015 – Mar 2019
  - Focused on Control engineering and C programming
  - GPA: 3.7 / 4.0 (Top 8%)

## RESEARCH EXPERIENCE

**West Lab**, Faculty of Science and Technology, Keio University

- Development of Network Infrastructure in Smart Community Apr 2018 – Current
  - Developing Service-oriented Router (SoR), which can DPI by using DPDK
- Smart and Secure Cities and Communities Challenge Expo, Washington DC, USA Jul 2018
  - Orchestrated an exhibition of Saitama City Smart Community Project

## PUBLICATIONS

### Conferences

- [1] [R. Morishima](#) and H. Nishi, “Network Transparent Fog-based IoT Platform for Industrial IoT,” *IEEE International Conference on Industrial Informatics, INDIN’19*, Helsinki-Espoo, Finland, Jul 2019.

## AWARDS & SCHOLARSHIPS

### Mantani Memorial Scholarship

- Awarded a scholarship of JPY 1600k (USD14.8k) Jun 2019

### Keio Alumni Association Scholarship

- Awarded a scholarship of JPY 600k (USD5.3k) May 2018

## WORK EXPERIENCE

**Intel**, Tokyo, Japan

- Now loading Aug 2019 – Current
  - Still loading

## CAMPUS ACTIVITIES

**Tokyo Student Guide Group**, Tokyo, Japan

Apr 2016 – Mar 2019

- Organization leader
  - Optimized workflow by clustering the team into smaller groups in order to implement various initiatives with agility
  - Improved work efficiency by changing meeting style and building positive working relationship

**Keio Alpenverein**, Climbing and mountaineering club, Kanagawa, Japan

Apr 2015 – Current

- Freshman trainer
  - Learned teamwork and patience by winter mountaineering for 5 days

**KINEKO International Children’s Film Festival**, Tokyo, Japan

May 2015

- Student Volunteer
  - Rationalized inventory of a gift shop by analyzing revenue trend

## SKILLS

### Programming in C with Data Plane Development Kit (DPDK)

- Contributed to the development of Service-oriented Router (SoR) as a graduation research
- Created a new function which can transparently modify contents of TCP payload of packets on SoR
- Developed a new function which create transparent acknowledge packets on SoR
- Implemented an Address Resolution Protocol (ARP) on SoR

### Networking

- Obtained Interconnecting Cisco Networking Devices Part 1 (ICND1)

### Word and Excel

- Obtained Microsoft Office 2013 Expert certification