Ryo Morishima

rmkm912@gmail.com | GitHub

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
  - 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.

[2] M. Hashimoto, R. Morishima and H. Nishi, "Low-Information-Loss Anonymization of Trajectory Data Considering Map Information," *2020 IEEE 29th International Symposium on Industrial Electronics (ISIE)*, Delft, Netherlands, Jul 2020.

AWARDS & SCHOLARSHIPS

Mantani Memorial Scholarship — Jun 2019

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

Keio Alumni Association Scholarship — May 2018

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

WORK EXPERIENCE

Intel, Application Engineer, Technical Support, Tokyo, Japan — Aug 2019 – Current

- Resolved several Tier1 issues for Intel® Xeon® Processors
- Implemented original demo to show a new feature of Intel 100 GbE NIC at Intel Developer Conference in Oct 2019
- Created RFID Sensor Platform demo, which is installed in a customer center room
- Performed a presentation about upcoming features for Intel® Xeon® Processors (Whitley and Cedar Island platform) in front of an audience of 100+ people at Channel Solution Training in Dec 2019

CAMPUS ACTIVITIES

Tokyo Student Guide Group, Organization leader, Tokyo, Japan — Apr 2016 – Mar 2019

- 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, Mountaineering club, Freshman trainer, Kanagawa, Japan — Apr 2015 – Current

- Learned teamwork and patience by winter mountaineering for 5 days

KINEKO International Children's Film Festival, Student Volunteer, Tokyo, Japan — May 2015

- 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 CCNA Routing and Switching — Jan 2020

Word and Excel

- Obtained Microsoft Office 2013 Expert certification