

Shunpei Yamaguchi

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EDUCATION

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- **Osaka University** Osaka, Japan
Ph.D in Graduate School of Information Science and Technology April 2022 – Present
 - **Osaka University** Osaka, Japan
Master in Graduate School of Information Science and Technology April 2020 – March 2022
 - **Osaka University** Osaka, Japan
Bachelor in Division of Electronic and Information Engineering, School of Engineering April 2016 – March 2020
 - **Tennoji High School attached to Osaka Kyoiku University** Osaka, Japan
Osaka, Japan April 2013 – March 2016
 - **Tennoji Junior High School attached to Osaka Kyoiku University** Osaka, Japan
Osaka, Japan April 2010 – March 2013

EXPERIENCE

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- **Research Fellow for Young Scientists (DC1)** Grant Number: 22J20391
Japan Society for the Promotion of Science (JSPS) April 2022 – Present
 - **Part-time Teacher (Information I)**
Kyoto Girls' Senior High School April 2022 – Present
 - **Student Researcher**
Sysmex Corporation May 2021 – March 2022

ACADEMIC ACTIVITIES

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- **Teaching Assistant (TA)**
SEEDS Program, Osaka University December 2021 – Present
 - **Article Writer**
Official Blog of Engineering, Osaka University June 2017 – Present
 - **Teaching Fellow (TF)**
Probability and Statistics in Engineering, Osaka University April 2022 – September 2022
 - **Resident Assistant (RA)**
Suita International Student Dormitory, Osaka University March 2021 – March 2022
 - **Teaching Assistant (TA)**
Lectures of Academic Writing, Kyoto Prefectural Toba High School October 2020 – January 2021
 - **Learning Supporter (LS)**
Science and Engineering Library, Osaka University April 2020 – March 2021
 - **Teaching Assistant (TA)**
Probability and Statistics in Engineering, Osaka University April 2020 – September 2020
 - **Actor in Promotion Video**
Official Promotion Video in Engineering, Osaka University April 2020
 - **Chief of Supervisors**
Certificate for Students Achieving the Proficiency Level of Upper Secondary School Graduates, Osaka Pref, MEXT
 - **Student Supporter** Online
National Convention of Information Processing Society of Japan. March 2021
 - **Student Supporter** Online
Information Processing Society of Japan Multimedia, Distributed, Cooperative, and Mobile Symposium June 2020

QUALIFICATIONS

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- **Type-1 High School Teaching License:** Mathematics and Information (March 2022)
 - **TOEIC Listening and Reading:** Test Score 815 (June, 2021)
 - **enPiT-Security (SecCap 8):** Ministry of Education, Culture, Sports, Science and Technology (March, 2019)
 - **Type-1 Non-Commercial Driver License of Japan:** (November, 2017)

SKILLS

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- **Languages:** Bash, C, Python, HTML, CSS, JavaScript, LaTeX
 - **Tools:** GIT, Apache JMeter
 - **Platforms:** AWS, Linux, Mac, Web, Windows

PUBLICATIONS

- **Journal:** **Shunpei Yamaguchi**, Motoki Nagano, Shunpei Ohira, Ritsuko Oshima, Jun Oshima, Takuya Fujihashi, Shunsuke Saruwatari, and Takashi Watanabe, “Web Services for Collaboration Analysis With IoT Badges,” *IEEE Access*, vol. 10, pp. 121318–121328, 2022.
- **Journal:** **Shunpei Yamaguchi**, Shusuke Ohtawa, Ritsuko Oshima, Jun Oshima, Takuya Fujihashi, Shunsuke Saruwatari, and Takashi Watanabe, “An IoT System with Business Card-Type Sensors for Collaborative Learning Analysis,” *Journal of Information Processing*, vol. 30, no. 3, pp. 238–249, 2022.
- **Journal:** **Shunpei Yamaguchi**, Ritsuko Oshima, Jun Oshima, Ryota Shiina, Takuya Fujihashi, Shunsuke Saruwatari, and Takashi Watanabe, “Speaker Identification for Business-Card-Type Sensors,” *IEEE Open Journal of the Computer Society*, vol. 2, pp. 216–226, 2021.
- **International Conference:** Jun Lu, **Shunpei Yamaguchi**, Jun Oshima, Ritsuko Oshima, and Shunsuke Saruwatari, “Utterance Pattern Extraction during Idea Improvement Using Sound Pressure Modality,” in *Poster presented at New Member’s Session in ISLS Annual Meeting*, pp. 1–1, 2022.
- **International Conference:** Daichi Yamaguchi, **Shunpei Yamaguchi**, Ritsuko Oshima, Jun Oshima, Takuya Fujihashi, Shunsuke Saruwatari, and Takashi Watanabe, “A Web Application with Business Card-Type Sensors for Collaborative Learning Analysis,” in *IEEE Global Conference on Consumer Electronics*, pp. 748–749, 2021.
- **International Conference:** **Shunpei Yamaguchi**, Shusuke Ohtawa, Ritsuko Oshima, Jun Oshima, Takuya Fujihashi, Shunsuke Saruwatari, and Takashi Watanabe, “Collaborative Learning Analysis Using Business Card-type Sensors,” in *International Conference on Quantitative Ethnography*, pp. 319–333, 2021.
- **International Conference:** **Shunpei Yamaguchi**, Ritsuko Oshima, Jun Oshima, Takuya Fujihashi, Shunsuke Saruwatari, and Takashi Watanabe, “A Preliminary Study on Speaker Identification Using Business Card-Type Sensors,” in *IEEE International Conference on Consumer Electronics*, pp. 1–3, 2021.
- **Domestic Conference:** Takuya Fujiwara, **Shunpei Yamaguchi**, Ritsuko Oshima, Jun Oshima, Takuya Fujihashi, Shunsuke Saruwatari, and Takashi Watanabe, “Fundamental Evaluation of Displacement Calculation Algorithm using IoT Device to Extract Collaboration,” in *The Institute of Electronics, Information and Communication Engineers Society Conference*, pp. 1–1, 2022.
- **Domestic Conference:** Daichi Yamaguchi, **Shunpei Yamaguchi**, Ritsuko Oshima, Jun Oshima, Ryota Shiina, Takuya Fujihashi, Shunsuke Saruwatari, and Takashi Watanabe, “Fundamental Evaluation of Time Synchronization Accuracy of IoT Sensors for Multimodal Analysis of Collaborative Learning,” in *National Convention of Information Processing Society of Japan*, pp. 1–2, 2022.
- **Domestic Conference:** Daichi Yamaguchi, **Shunpei Yamaguchi**, Ritsuko Oshima, Jun Oshima, Takuya Fujihashi, Shunsuke Saruwatari, and Takashi Watanabe, “Evaluation of Power Consumption of IoT Devices to Extract Collaboration,” in *The Institute of Electronics, Information and Communication Engineers Society Conference*, pp. 1–1, 2021.
- **Domestic Conference:** **Shunpei Yamaguchi**, Shusuke Ohtawa, Ritsuko Oshima, Jun Oshima, Takuya Fujihashi, Shunsuke Saruwatari, and Takashi Watanabe, “A Study on Collaborative Learning Analysis Methods using Business Card-Type Sensors,” in *Information Processing Society of Japan Multimedia, Distributed, Cooperative, and Mobile Symposium*, pp. 1194–1203, 2020.
- **Domestic Conference:** **Shunpei Yamaguchi**, Shusuke Ohtawa, Ritsuko Oshima, Jun Oshima, Takuya Fujihashi, Shunsuke Saruwatari, and Takashi Watanabe, “Fundamental Evaluation of Collaborative Learning Analysis Tools for Realizing IoT to Extract Collaboration,” in *National Convention of Information Processing Society of Japan*, pp. 1–2, 2020.
- **Domestic Conference:** **Shunpei Yamaguchi**, Shusuke Ohtawa, Ritsuko Oshima, Jun Oshima, Takuya Fujihashi, Shunsuke Saruwatari, and Takashi Watanabe, “Examination of Time Synchronization Accuracy for Realizing a Sensor Network to Extract Collaboration,” in *The Institute of Electronics, Information and Communication Engineers Society Conference*, pp. 1–1, 2019.

AWARDS

- **Student Award:** IEEE Kansai Section (December 2021)
- **Excellent Presentation Award:** Information Processing Society of Japan Multimedia, Distributed, Cooperative, and Mobile Symposium (June 2020)
- **Student Award:** National Convention of Information Processing Society of Japan (March 2020)