

BASICS

- **Fields of Interest:** Sustainable international development, Environmental design and management, Renewable energies, Disaster risk reduction, Socio-environmental resilience, Nexus approach (energy, food, water)
- **Research Question:** “What various factors will lead to the sustainable implementation of a nexus-style solar-power infrastructure project in environmentally vulnerable small developing Pacific Island states?”
- **Notable Project:** “Design of a compact-modular agrivoltaic (solar-power generation + agricultural production) unit and its implementation policy which sustainably enhance/maximize the socio-environmental resilience of vulnerable communities in the developing small Pacific Island states”
- **Countries I Have Lived/Studied/Worked In:** Japan, Fiji, Zimbabwe, Marshall Islands, and United States

EDUCATION

- **University of California Berkeley (UCB) | California, USA** 08/2023 ~ 12/2024
Master of Development Engineering (M.DevEng)
Concentration: Energy, Water, and the Environment OR Sustainable Design Innovations
- **Keio University | Kanagawa, Japan** 09/2019 ~ 09/2023
Faculty of Environment and Information Studies (B.A. in Environment and Information Studies)
Global Information and Governance Academic (GIGA) Program - The medium of instruction was English
- **University of California Berkeley (UCB) | California, USA** 08/2021 ~ 05/2022
UCEAP Reciprocity (study-abroad exchange program)
Mainly studied at the College of Environmental Design (CED) and the Master of Development Practice (MDP)
- **Harare International School | Harare, Zimbabwe** 01/2016 ~ 06/2019
International Baccalaureate (IB) Program
Obtained Bilingual IB Diploma - English and Japanese

PROFESSIONAL EXPERIENCE

- **Teaching assistant for the course “Institutional Design For Risk Society” at Keio University | Kanagawa, Japan** 04/2023 ~ 07/2023
Supervisor: Miki Akiyama (Professor at the university)
 - Supported students with learning interdisciplinary wicked-problem concepts, which cover topics including sustainability, environmental justice, energy security, and global public health, in addition to general academic assistant duties.
- **Teaching assistant for the course “Regional Policy In Africa” at Keio University | Kanagawa, Japan** 04/2023 ~ 07/2023
Supervisor: Mika Kunieda (Assistant professor at the university)
 - Gave academic/practical feedback and comments to students’ presentations and research projects on development issues in Africa, in addition to general academic assistant duties.
- **Teaching assistant for the course “Project English” at Keio University | Kanagawa, Japan** 04/2023 ~ 07/2023
Supervisor: Yoko Hasebe (Associate professor at the university)
 - Gave lectures on African countries and connecting students and the university with African academic institutions, professionals, and cultures, and engaging in building sustainable partnerships, in addition to general academic assistant duties.
- **Course instructor/assistant for “Japan & African Global Connection” at Keio University | Kanagawa, Japan** 09/2019 ~ 02/2023
Duration: September 2019 ~ February 2023
Supervisor: Yoko Hasebe (Associate professor at the university)
 - Planned the structure/curriculum of the course throughout the semesters.
 - Gave a series of lectures on African countries and issues related to sustainable development to students.
 - Mentored students’ final research project on sustainable development strategies in African countries.
- **Teaching assistant for the course “Basic Product Design” at Keio University | Kanagawa, Japan** 09/2022 ~ 01/2023
Supervisor: Mariko Higaki (Lecturer at the university, Product designer)
 - Engaged in initiating students into practical engineering skills including 3D modeling and product designing, in addition to general academic assistant duties.
- **Intern at the United Nations Children’s Fund (UNICEF) | Tokyo, Japan** 07/2022 ~ 09/2022
Supervisor: Roberto Benes (Director of the office)
 - Engaged in various assistant and advocacy duties for UNICEF’s diplomatic and humanitarian development operations/missions in Japan and countries all around the world.
 - E.g., Preparation assignments for the 2022 8th Tokyo International Conference on African Development (TICAD8) and the production of the “2022 UNICEF Tokyo Office Visibility Booklet” for UNICEF’s annual consultation with the Ministry of Foreign Affairs of Japan.
- **Intern at the Environmental Protection Authority (RMIEPA) | Majuro, Marshall Islands** 02/2020 ~ 04/2020
Supervisor: Moriana Phillip (General manager of the authority)
 - Engaged in various national-level environmental investigations/fieldworks including inspection and evaluation of water quality, coastal erosion, waste management, agricultural practices, etc.
 - Took an initiative in several COVID-19 countermeasure projects (e.g., the design and application of an innovative handwashing unit for public hygiene improvement).
 - Provided technical/IT support for the authority staff and contributed to the local human resource development.

- **Volunteering in Zimbabwe** 01/2016 ~ 06/2019
Supervisor: Harare International School (Harare, Zimbabwe)
 - Visited orphanages and rural villages in different parts of Zimbabwe.
 - Conducted various fundraising events and provided educational assistance mainly in the fields of English, mathematics, science, and arts.
 - Engaged in local communities' traditional cultural activities including agriculture, house maintenance, and cooking.

LABORATORY / SEMINAR / ORGANIZATIONAL RESEARCH PROJECT EXPERIENCE

- **Undergraduate Capstone Project** 09/2019 ~ 07/2023
Keio University, Faculty of Environment and Information Studies | Kanagawa, Japan
Supervisor: Hiroto Kobayashi (Professor at the university)
 - Designing a compact-modular agrivoltaic (solar-power generation + agriculture production) unit and its implementation policy which sustainably enhance/maximize the socio-environmental resilience of vulnerable communities in the developing small Pacific Island states.
- **Graduate Research Seminars** 04/2020 ~ 07/2023
Keio University, Graduate School of Media and Governance | Kanagawa, Japan
 - Belong to the university's graduate-level seminars including "Asian-African Corridor Initiatives", "Human Service and Community", and "Climate Change and Disaster Risk Governance System for Sustainable Development", which put academic focus on international socio-environmental resiliency and are supplementing my capstone project.
- **Mika Kunieda "Solution Design for Policies and Environments" Laboratory** 09/2022 ~ 07/2023
Keio University, Faculty of Policy Management | Kanagawa, Japan
 - A laboratory, which specializes in using behavioral science for inducing sustainable development practices and policy implementations both worldwide and regionally.
- **Hiroto Kobayashi Laboratory, "Off-grid Compact House Project"** 09/2020 ~ 03/2023
Keio University, Faculty of Environment and Information Studies | Kanagawa, Japan
 - A laboratory project, which aims to design and construct a sustainable + expandable + compact + mobile house that provides people with a minimum but comfortable self-sustaining life in off-grid and disastrous environments.
 - Served as a project leader.
- **Hiroto Kobayashi Graduate Laboratory, "Flexible Intelligent Transformable House Project"** 09/2022 ~ 01/2023
Keio University, Graduate School of Media and Governance | Kanagawa, Japan
 - A laboratory project, which aims to design a temporary house system that can adapt and function in the harshest environments and can be easily constructed by non-professional people.
 - Emergency response to the war in Ukraine and the refugee crisis.
 - A collaborative project between graduate Keio University students and a researcher from the Massachusetts Institute of Technology.
- **Research assignment requested from the US Department of Defense, Defense Innovation Unit (DIU)** 01/2022 ~ 05/2022
University of California Berkeley, Goldman School of Public Policy | California, USA
 - A collaborative project between Berkeley students and the US Department of Defense, Defense Innovation Unit (DIU).
 - Conducted consulting research on the US's national security in the field of sustainable outer-space development.
- **Yoko Hasebe Laboratory, "The Democratic Republic of the Congo Project"** 04/2020 ~ 08/2020
Keio University, Faculty of Environment and Information Studies | Kanagawa, Japan
 - A laboratory project, which aims to pursue the realization of sustainable development and partnership academically and practically between Japan and African countries through international multisectoral collaboration.

ENVIRONMENT, SUSTAINABILITY, AND DEVELOPMENT-RELATED COURSE WORKS

- **Paper:** "Investigation on the relationship between educational expenditure and human capital development in the Marshall Islands" 01/2023
Keio University, Faculty of Environment and Information Studies, Fall course "International Development"
- **Paper:** "Case study on Tesla's solar-power projects in island states & Remedies for the installation of sustainable solar-power projects" 05/2022
The University of California Berkeley, Master of Development Practice, Spring course "DEVP 227: Principles of Natural Resource Management"
- **Policy brief:** "The implementation of sustainable infrastructures in Apia, the Independent State of Samoa" 12/2021
The University of California Berkeley, College of Environmental Design, Fall course "CYPLAN 119: Planning for Sustainability"
- **Paper:** "Sustainability field investigation of Ebeye Island, the Republic of the Marshall Islands" 12/2021
The University of California Berkeley, College of Environmental Design, Fall course "CYPLAN 119: Planning for Sustainability"
- **Paper:** "Investigation on geopolitical and socio-environmental dynamics in Ebeye Island, the Republic of the Marshall Islands" 12/2021
The University of California Berkeley, College of Environmental Design, Fall course "CYPLAN 115: Urbanization in Developing Countries"
- **Podcast:** "Solar-power development projects and neo-colonialism in developing countries" 12/2021
The University of California Berkeley, Department of Global Studies, Fall course "GLOBAL 126: Development and the Environment"
- **Policy brief:** "Human capital protection through sea level rise counteraction strategies in the Republic of the Marshall Islands" 08/2021
Keio University, Faculty of Environment and Information Studies, Spring course "Human Capital Theory"
- **Case study:** "Utilization of sensing technology for sustainable waste disposal in the Republic of the Marshall Islands" 08/2021
Keio University, Faculty of Environment and Information Studies, Spring course "Theory of Global Environment Technology"
- **Policy brief:** "Production of an evaluation system/index that critically measures the private sector's engagements in SDGs practices" 08/2021
Keio University, Faculty of Environment and Information Studies, Spring course "SDGs and Finance"