

# Nao Sekiguchi

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Types of job I aspire: Design projects for environmental protection (air quality control, water treatments), Analyze scientific data, Advice corporations and agencies about their projects, Develop commercial devices to reduce environmental loads.

## EDUCATION

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### **2021.8- Georgia Institute of Technology, US**

MS in Environmental Engineering (Civil and Environmental Engineering)

In Dr. Armistead Russell's research team, investigating Ozone formation with respect to NO<sub>x</sub> and VOCs using Chemical Transport Models and Meteorology Models.

### **2021.4-8 Osaka University, Japan**

MS in Sustainable Energy and Environmental Engineering

Studied system of Nuclear Energy, Nuclear fuel cycle, Risk assessment of energy plants, energy mix considering climate change and effects on ecosystem and economy.

### **2017.4-2021.3 Osaka University**

BS in Sustainable Energy and Environmental Engineering

In Dr. Katsuhisa Kitano's research team, worked on evaluation of the bactericidal effect of HOONO<sub>2</sub> based on chemical kinetics and wrote undergraduate thesis.

## RELEVANT EXPERIENCE

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### **2021.6-8 Science & Technology Inst., Co. Tokyo, Japan**

Intern: Conducted Electromagnetic fields Simulation, reported results and discussions for users, developed GUI tool with Visual Basic, Supported Users who use own products.

### **2019.8-9 DGIST, Korea (Research University)**

Research internship in Prof. Jung-Il Hong's research team: examined the dynamics of electron spin in low-dimensional material system.

## OTHER EXPERIENCE

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### **2017.7-2021.6 Jolly-Pasta CO. Mino (family restaurant)**

Part-time: serving customers, cooked orders, organized the operation as a leader

## Languages and software skills

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Japanese: Native, English: IELTS 7.5, TOEFL 105, TOEIC 825

GRE Verbal-154 Quantitative-168 Writing-4.0

Visual Basic (for development of GUI tool), Python (for Statistics analysis), Inkscape (research visualization)

## Membership

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- HEIWA NAKAJIMA FOUNDATION

- The International Association for the Exchange of Students for Technical Experience (IAESTE)