

Yongjin Lee

Eunpyeong-gu, Seoul 03472
010-5166-7572 | yl2889@cornell.edu

EDUCATION

Cornell University, College of Agriculture and Life Sciences

B.S. in Environmental Engineering

Ithaca, NY

Expected Graduation May 2028

GPA: 3.878/4.300 | Fall 2022, Spring 2023 CALS Dean's List

Relevant coursework: Biological & Environmental Engineering Experience | Introduction to Python Programming | Multivariable Calculus for Engineers | Object-Oriented Programming and Data Structures | Sustainable Engineering

Henry J. Kaiser High School

Honolulu, HI

• Valedictorian, Honor Graduate, STEM Honors, Summa Cum Laude Graduate

Aug 2018 – May 2022

Relevant coursework: AP Biology | AP Calculus BC | AP Chemistry | AP Environmental Science | AP Physics 1 |

Ecology: Ecosystem Dynamics and Conservation | Sustainable Development Goals Hawaii

TECHNICAL EXPERIENCE

Cornell AguaClara Research Team

Ithaca, NY

Laboratory Researcher

Jan 2023 – May 2023

- Experimented water purification method applying flocculation and coagulant implementation 5hrs/week during laboratory meetings to investigate 6 ranges of flocculation pollutant sizes, ranging from 2~3µm to 33~65 µm
- Applied Python script to graphically analyze pollutant level of filtered water that passes through flocculation particle counter
- Presented final results of 12-weeks research in project team symposium to research members and advising professors

STEMworks Internship Program

Honolulu, HI

Intern

Jun 2021 – Jul 2021

- Designed a virtual map of preserved Hawaiian wetland applying QR code program and Google Earth with botanical information of 36 plant species and ~10 native trees aimed for education of the general public in East Honolulu
- Aided five professionals for 10 hrs/wk with fieldwork to preserve a critically endangered native bird species, with a total population of ~600, through water pollution mitigation methods while observing 2 to 3 new broods every year
- Organized work accomplished over the 6-week period and presented in a virtual STEMworks networking event

Horizon Academics Research Program

Honolulu, HI

Researcher

Jan 2021 – Jun 2022

- Analyzed viable methods to create sustainable cities through utilizing green infrastructure in a 20-page research paper
- Consulted with instructor and TA 3 hrs/wk to discuss topics in environmental engineering and check in with research

PROJECTS

Cornell Digital Agriculture Hackathon

Ithaca, NY

Developer, Product Designer

Feb 2023 – Mar 2023

- Collaborated with 4 developers to develop prototype of agricultural calendar by modeling a Google Calendar interface
- Discussed relevant topics with 4 agri-tech and business mentors and presented final product to advising professionals

LEADERSHIP EXPERIENCE

United Nations Command Interpreter

Paju, South Korea

Interpreter, Squad Leader

Aug 2023 – Current

- Interpreted for the ROK, UNC, and NNSC in the JSA Battalion to coordinate various military operations and exercises
- Led 14-member squad in company-level meetings and exercises, while serving as a soldier peer counselor for 3 months

Ringle English Tutor

Seoul, South Korea

Freelance English Tutor

Jun 2022 – Aug 2023

- Tutored 112 students, of all age ranges, in speaking, listening, and writing, and provided detailed feedback reports
- Tailored each lesson to match students' specific needs, including university and graduate program application revisions

SKILLS & INTERESTS

Skills: Java • Python • HTML • CSS • JavaScript (React.js) • Git • Command Line Tools • Korean (fluent) • Translation

Interests: Botany (Hydroponics Club) • Drum • Violin • Judo (Judo Club) • Bowling (Bowling Club | PE 1300)