

# Deanna Y. N. XU

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## OBJECTIVE

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Conscientious and motivated senior year student who is eager to learn, seeking an opportunity to broaden research horizons and perform high-quality independent research in conservation and ecology.

## EDUCATION

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### The Hong Kong Polytechnic University

Expected 2024

BSc (Hons) in Land Surveying and Geo-Informatics

Cumulative GPA: 3.84/4.30

## RESEARCH EXPERIENCE

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### Visiting Research Student

Sep 2022 – Present

SILVIS lab, University of Wisconsin – Madison

*Madison, WI*

- Evaluate the representativeness of forest protected areas using remote sensing

### Undergraduate Research Assistant

Jun 2021 - Present

PRIDE lab, The Hong Kong Polytechnic University

*Hong Kong*

- Assist in research related to satellite image processing, data fusion, vegetation and urban remote sensing
- Design teaching materials for a StoryMap Teaching Project

### Summer Intern

Jul 2022 - Aug 2022

Ove Arup and Partners Hong Kong Limited (Arup)

*Hong Kong*

- Developed Python tools to automate the GIS constraint analysis workflow for site selection
- Carried out laser scanning fieldwork and point cloud post-processing
- Stored and managed 3D topographic data of Hong Kong in a SQL database
- Performed GIS Analysis and prepared maps for Offshore Wind Deployment

## LEADERSHIP AND EXTRA-CURRICULAR ACTIVITIES

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### Volunteer

Sep 2022 - Present

Climate Students Movement

*Remote*

- Design and organize activities for Sustainability Month

### Tutor

Apr 2021 - Aug 2021

Outdoor Wildlife Learning Hong Kong (OWLHK)

*Hong Kong*

- Led multiple “Free Ocean Days” for groups of 30 students and the public in playing environmental educational board games, mangrove eco-tours and beach clean-ups

## AWARDS AND SCHOLARSHIPS

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Outstanding Student Award 2022 (Faculty of Construction and Environment)

2022 - 2023

HKSAR Government Scholarship

2021 - 2023

Innovation and Technology Scholarship 2022

2021 - 2022

Esri China (HK) Scholarship

2020 - 2021

## SKILLS

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**Languages** Cantonese (native), English (fluent), Mandarin (Fluent)

**Programming** Python, C++, SQL (Postgres)

**Software** Google Earth Engine, ArcGIS, ENVI, ERDAS Imagine, PostGIS, CloudCompare, Microsoft Office