

# Brandon Dela Cruz

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## OBJECTIVE

Seeking a challenging role as a GIS Specialist, utilizing my strong background in GIS, data analysis, and critical thinking to contribute to the company's mission of promoting a sustainable future and innovative solutions.

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## EDUCATION

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### Bachelor of Science in Global Environmental Science (GES)

May 2023

University of Hawai'i at Mānoa (UHM), Honolulu, Hawaii

GPA 3.7

### Geospatial Information System (GIS) Certificate

May 2023

University of Hawai'i at Mānoa (UHM), Honolulu, Hawaii

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## RELATED COURSE WORK

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|----------------------------------|---------------------------|----------------------------------|
| • Geospatial Information Systems | • Calculus I, II, III, IV | • Earth System Science Databases |
| • UAV & Aerial Photography       | • Physics 1 & 2           | • Global Environmental Change    |
| • 3D Mapping & Analysis          | • Chemistry 1 & 2         | • Atmospheric Processes          |
| • Field Mapping                  | • Biology 1 & 2           | • Biogeochemical Systems         |
| • Remote Sensing                 | • Geology                 | • Aquatic Pollution              |
|                                  | • Hydrogeology            |                                  |

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## WORK EXPERIENCE

AECOM, Honolulu, HI

January 2023 – August 2023

### Environmental Scientist Intern

- Performing monthly field collections for Visual Trash Assessment utilizing GIS-based Cityworks software.
- Apply technical writing expertise to support environmental planners in conducting Environmental Assessments (EAs) adhering to diverse state regulations.
- Developed a stormwater delineation for a compromised watershed utilizing tools including ArcGIS Desktop, Microsoft Power BI, and Trimble Cityworks Database. Proposed optimal implementation sites for Best Management Practices (BMPs) at outfall locations to guide city decision-making.
- Provided guidance and instruction, and collaborative support to colleagues on diverse ArcGIS Desktop competencies, encompassing data acquisition, analysis, and geospatial data interpretation.
- Applied various ArcGIS Online tools, such as Survey123 and Field Maps to optimize field work.

University of Hawai'i at Mānoa, Honolulu, HI

Jan 2021 – May 2023

### GES Thesis: Spatiotemporal Analysis of Distribution Patterns of *E. coli* in an Urban Wetland

- Addressed concerns raised by community partners regarding the proliferation of *E. coli* on their property
- Employed standard operating procedures to quantify *E. coli* abundance and measure water quality characteristics.
- Conducted monthly field collection at 20 locations across the study area.