

# JALE ISRAEL

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## Research Interests

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Physical Geography

Geospatial Information Science and Technology (GIS and Remote Sensing)

Climatology and Climate Change

Biogeography

Hydrology and Water Resources Management

Environmental Ecology

## Education

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### IBM SkillsBuild

Digital Credential (Certificate): Web Development Fundamentals	July 2025
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### Environmental Systems Research Institute, Inc (ESRI)

Certificates

Programme: Basics of JavaScript Web Apps	June 2025
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Programme: Getting Started with Spatial Analysis	April 2024
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Programme: Going Places with Spatial Analysis	March 2023
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### Earth Online College (EO College)

Certificate Programme: Land In Focus- Basics of Remote Sensing	April 2024
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Certificate Programme: Land In Focus- Forest Ecosystems	October 2024
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### Coursera Certificate (University of Toronto)

Programme: Introduction to GIS Mapping	May 2024
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### African Drone & Data Academy (Furman University)

Certificate Programme: Data Visualization and Cartography (DVAC)

July 2024

**UNIVERSITY OF GHANA, LEGON, ACCRA- GHANA**

2018- 2022

Programme: Bachelor of Arts Geography & Resource Development with Psychology

Academic Standing: Second Class Honours (Upper Division)- 3.4/4.0

Relevant Courses: Cartography, Climatology, Fundamentals in GIS, Fundamentals in Remote Sensing, Environmental Ecology, Hydrology, Climate Change, Spatial Organization

**PRESBYTERIAN BOYS' SECONDARY SCHOOL, LEGON- ACCRA, GHANA**

2014-2017

West African Secondary School Certificate Examination (WASSCE)

Programme: General Arts

Relevant Courses: Geography, Economics, Government, Elective Math

### **Research Experience and Projects**

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#### **GIS Field Data Collection (November 2021)**

- Field mapping of fire hydrants, traffic lights, and mechanic shops with the purpose of supporting the Greater Accra Division of National Fire Service to provide spatial and web maps which will enhance access and routing capabilities to the fire service during emergencies.

#### **Assessing the change in health of vegetation of Kumasi from 2007 to 2018. A case study of Atwima Nwabiagya District. (August 2021)**

- This project involved the use of Landsat ETM+ images to ascertain the change detection in the vegetative cover extent and NDVI of the study area and its adverse effects on the environment. The project aimed to ensure conservation of vegetation to protect the ecological environment.

### **Teaching and Work Experience**

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Laboratory and Teaching Assistant, Remote Sensing and GIS Lab, University of Ghana

2022-2023

- Assisted in the installation and solving error of GIS and Remote Sensing software for both undergraduate and graduate students
- Provided relevant support to students during hands-on GIS and Remote Sensing lab sessions
- Assisted undergraduate students during research and project work

- Graded practical lab assignments given to students.

Volunteer GIS Technician, Geospatial One-On-One SkillShare, Ghana 2023

- Prepared manuals for students on selected GIS topics
- Created maps for clients per requests

Intern as Digital Projects Assistant- Think Safety Global Limited

December 2021 – January 2022

- Organized the company's online and electronic marketing strategies through emails and bulk SMS.
- Developed digital safety campaigns and presentations on environmental health safety.
- Collaborated with other teams to deliver quality products on time.

Teacher, California St. Peter's School, Oshuman- Accra, Ghana May 2017 – August 2018

- Taught the six core subjects as the Basic 4 tutor.
- Prepared students for quizzes, standardized tests, and exams.
- Participated in training and development sessions to improve tutoring practices and learn new tutoring techniques.

### **Leadership Experience**

Deputy Head of Education Committee for GREDSA- UG 2019- 2020

- Assisted students to make well informed choices of the courses offered per semester in the Geography Department
- Organized effective tutorials for interested students to prepare them for quizzes and exams.

Evangelical Coordinator for Deeper Life Students Outreach (DLSO), PRESEC- Legon 2016- 2017

- Assisted in organizing denominational programs
- Addressing the gathering during denominational meetings

Head Boy, California Star School Complex, Omanjor- Accra. 2013- 2014

- Overseeing other school prefects in carrying out school duties
- Organizing students for school programs and activities

### **Community Service**

- Improved Google Maps on my community by uploading new landmarks in the community. 2022 - Present

- Providing mentoring to students from basic to tertiary levels on academic courses and career paths.

2018 – Present

## **Skills and Interests**

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### Computer and Technical Skills

- Proficient in Microsoft Office such as Word, PowerPoint and Excel
- ArcGIS
- QGIS
- ENVI
- Google Earth
- HTML
- CSS
- Bootstrap
- Responsive Web Design
- JavaScript Basics

### Languages

- Fluent in English, Twi and Basare

### Interpersonal Skills

- Leadership
- Teamwork
- Communication
- Strategic Problem Solving

### Interests

- Learning
- Coding
- Teaching

