

# JOSHUA YOUNG

## CONTACT:

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### Portfolio:

[https://yjosh03.github.io/  
port/](https://yjosh03.github.io/port/)

## SKILLS

Map Interpretation and  
Analysis

GIS programming

Cartography

Enterprise GIS

Model Builder

Open Source Solutions

Big Data Analytics

Remote Sensing

## PROGRAMMING LANGUAGES

SQL (Proficient)

ArcPy (Proficient)

HTML (Basic)

PHP (Basic)

Java/Jscript (Basic)

## GIS SOFTWARE:

ArcGIS

QGIS

Manifold

PostGRES

GDAL

Leaflet

## EDUCATION:

### Graduate

- June 2018 - July 2019 ..... Salisbury University
  - Master of Science Geographic Information Systems Management
    - Cum Laude GPA 3.55

### Undergraduate

- Aug 2015 - May 2018: ..... Salisbury University
  - Bachelor of Science Geography - Geographic Information Science
    - Cum Laude GPA 3.54
    - Dean's List Fall 2016 – Spring 2018
- Aug 2014 - May 2015: ..... Harford Community College
  - General Education Classes

### High School

- June 2012 - July 2014: ..... North Harford High School
  - STARZ GIS Technician I certification

## PROFESSIONAL EXPERIENCE:

- Aug 2018 - May 2019 Salisbury University Geography Department Teachers Assistant
  - Assist Dr. Chen with Intro to Remote Sensing.
  - Assist Dr. Lembo with Statistical Problem Solving in Geography.
  - Responsibilities include: lecture if professor is not available, grade labs and tests, error check lab, miscellaneous tasks from other professors.
- Aug 2017 - Dec 2017 Salisbury University GIS Technician Intern
  - Digitized Fish Ponds around Lake Victoria, Africa Shoreline.
  - Using ArcMap to display Bing Imagery, all fish ponds within 5km of the lake perimeter were digitized for further analysis.
- June 2017 - Sept 2017 Salisbury University GIS Technician Intern
  - Connecting Disparate Databases using Radian
    - Using radian and VPN, we remotely connected to the City of Salisbury municipal database and the Salisbury police arrest database. Dr. Lembo and I analyzed the surrounding area to find trends in opioid arrests to identify hot spots.
  - Update and Maintain Salisbury Arboretum Database
    - Digitized East Campus and updated tree attributes. Surveyed tree locations to map them with accuracy. Used ArcGlobe/ ArcScene to view data in 3D, eventually converting into 3D and 2D online maps.
  - Digitized Agricultural Ditches along the Eastern Shore of Maryland
    - For the six counties on the Eastern Shore a line feature for agricultural ditches was digitized at 1:2000 scale.
- Assisted Dr. Lembo with GIS Workshops.
  - Aug 7, 2018 TUGIS 2018 Managing Technology
  - July 31, 2017 BMC GIS Committee Spatial SQL: A Language for Geographers
  - March 20, 2017 TUGIS 2017 Spatial SQL and Python for Geospatial

## CONTRIBUTUIONS:

- Salisbury Arboretum Project - <https://www.salisbury.edu/discover-su/arboretum/>, September 2017
- Evaluating the positional differences between the Google Maps and the United States Census Bureau geocoding APIs, October 2016.
- A Spatiotemporal Analysis of Mangrove Loss and Shrimp Farm Expansion in Ecuador's Coastal Estuaries from the Advent of Commercial Aquaculture to 2014, January 2017