

SHANE CANYON WALSH

Education:

University of Wisconsin-Madison, Online – Fall 2019 – Spring 2021

Master's Program in GIS and Web Map Programming.

Rowan University, Glassboro, NJ

Bachelor of Arts in Geography, Geoscience Minor, Geographic Information Systems Minor, Community and Environmental Planning Minor – GPA 4.0. Member - Gamma Theta Upsilon International Geographical Honor Society

Antonelli Institute of Photography, Erdenheim, PA

Associate in Specialized Technology – Photography – GPA 3.55

Employment:

Geographer (GS7), U.S. Census Bureau, Mar. 2019 to Present

Using geographic concepts, tools, and systems to update address listing systems and databases and produce region-wide geographic and cartographic products as well as updating maps and lists of addresses for jurisdictions. Identifying and analyzing problems with geographic projects, weighing relevance and accuracy of information, generating and evaluating alternative solutions, making recommendations, and implementing procedures to achieve objectives.

Research Consultant, Community Planning & Visualization Lab, Rowan University, Sep. 2018 to Present

Conducted over 130 site visits, in Philadelphia, PA, and Camden, NJ, and viewed nearly 225 individual Green Stormwater Infrastructure (GSI) projects, in order to analyze the social context and social impacts of the their GSI programs. Logged results, quantified results, created methodologies, and built introductory bibliography of other researchers' work in the field of GSI and creating maps in ArcGIS.

Environmental Services, NJDEP, Feb. 2018 to June 2018

Bureau of Water Allocation - Conducted the technical review of well construction records and well decommissioning reports or water allocation and agricultural certification permit applications. Searched for possible unregistered wells in NJGeoWeb, NJDEP's interactive web mapping application. Typed, edited and proofread correspondence directed in addition to conversing with customers to achieve compliance.

Yeoman (Administrative) (YN3/E-4), U.S.C.G Group Upper Mississippi River, Keokuk, IA, 1998 to 2001

Maintained files and publications, administrative records, handled pay and personnel issues, prepared military travel orders and leave requests, identification card issuance, website maintenance and official correspondence. Conducted disaster response, marine resource protection and waterway security.

Seaman (E-3), U.S.C.G. Station Cape Disappointment, Ilwaco, WA, 1997 to 1998

Conducted disaster response, search and rescue, marine resource protection and waterway security. Duties included ship maintenance; equipment maintenance, repair, and storage for underway operations, and served as member of damage control teams, emergency and security alert teams and participated in naval ceremonies.

Skills:

Geographic Information Systems software/web mapping/design platforms: ArcGIS Suite, including ArcMap, ArcGIS Online, ArcScene, ArcGlobe, QGIS, TerrSet/Ildrisi, SketchUp, Adobe Creative Suite, Dropbox, Microsoft Office Suite, data communication/visualization, report and technical writing, public speaking.

Certificates:

ESRI Earth Imagery at Work Online Course – Apr. 2019 – Analysis of imagery; applications, solutions and demonstrations of remotely sensed data.

ESRI Do-it Yourself GeoApps Online Course – Sep. 2018 - Created story maps, custom web applications, native applications (iOS and Android devices) to combine location and narrative, utilizing open data, java script and basic coding.

Storm Water Pollution Prevention, Environmental Regulations Overview, Environmental Management Systems, Hazardous Waste Generator (RCRA), Emergency/Disaster Preparedness, Emergency Response in Workplace, NFPA 1600 Disaster/Emergency Management, Hazardous Materials in Workplace, Beryllium Awareness, Ammonia Safety, Used Oil Management, DOT: Security of Shipment of Hazardous Materials.

Hazwoper – Regulatory Overview, Hazard Communication, Site Control, Site Safety/Health Plan Procedures, Emergency Response/Spill Control, Heat/Cold Exposure Management, Fire/Explosion Hazards, Personal Protective Equipment, Toxicology, Decontamination. First Aid - Basic, First Aid: Medical Emergencies, First Aid: Automated External Defibrillator. Data Stewardship, Business Ethics, Conducting Interviews, No Fear.

Volunteering:

Co-teaching GIS workshop to high school Rowan STEM campers; multiple GIS Day presentations; Wenonah Shade Tree Commission, Wenonah, NJ; Rowan University Fossil Park; Rowan University Family Science Sunday; Wenonah Environmental Commission; Facilitation of Downtown Glassboro planning meeting; Humanitarian OpenStreetMap Team; Wenonah Home and School