

SHANE CANYON WALSH

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Education:

Rowan University, Glassboro, NJ (GPA – 4.0)

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

Antonelli Institute of Photography, Erdenheim, PA (GPA – 3.55)

Associate in Specialized Technology – Photography

Employment:

Environmental Program Specialist, NJDEP, Bureau of Safe Drinking Water, Mar. 2020 to present

Reviewing lead and copper sampling plans and water quality parameter plans for community water systems and non-transient, non-community water systems. Additionally, reviewing web content and fact sheets for data and grammatical errors.

Geographer (GS7), U.S. Census Bureau, July 2019 to Mar. 2020

Used geographic concepts, tools, and systems to update address listing systems and databases and produce region-wide geographic and cartographic products as well as updated maps and lists of addresses for jurisdictions. Identified and analyzed problems with geographic projects, weighing relevance and accuracy of information, generating and evaluating alternative solutions, making recommendations, and implementing procedures to achieve objectives. Conducted and facilitated meetings, presentations with a variety of staff and stakeholders to gather and disseminate information.

Research Consultant, Community Planning & Visualization Lab, Rowan University, Sep. 2018 to Sep. 2019

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 their GSI programs. Logged results, quantified results, created methodologies, and built introductory bibliography of other researchers' work in the field of GSI and created maps.

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 and edited technical and non-technical correspondence in addition to conversing with customers to achieve compliance.

Photographer, 2002 to 2014 (Self-employed/Freelance)

Lifestyle photographer and assistant photographer. Directed and executed digital photography workflow: technical problem-solving, lighting, capturing, downloading, editing, retouching, printing, archiving and oversaw digital workflow.

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

Maintained files and publications, administrative records and guidance, 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:

Cartography, quantitative and qualitative research, Geographic Information Systems software/web mapping/design platforms: MapBox Vector Tilesets, ArcGIS Suite, including ArcGIS Pro, ArcMap, ArcGIS Online, ArcScene, ArcGlobe, QGIS, TerrSet/Idrisi, SketchUp, Adobe Creative Suite, Dropbox, Microsoft Office Suite, spatial data science, data communication/visualization, report and technical writing, public speaking.

Training:

ESRI Going Places with Spatial Analysis Online Course - Sep. 2020 - Finding the best locations and paths, detecting and quantifying patterns, and making predictions with ArcGIS Online.

ESRI Spatial Data Science Online Course – Mar. 2020 – Predictive analysis, suitability models, pattern detection and clustering and object detection.

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 to combine location and narrative, utilizing open data, java script and basic coding.

CLC: 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. Data Stewardship, Business Ethics, Conducting Interviews, No Fear.

Volunteering:

Resume Writing Workshop, Rowan University – 2020;

Multiple Boy Scout STEM adventures – 2019 – Present;

Co-teaching GIS workshop to high school Rowan STEM campers - 2019;

Multiple GIS Day presentations – 2017, 2019;

Wenonah Shade Tree Commission, Wenonah, NJ – 2017 - 2020;

Rowan University Fossil Park – 2019 - Present;

Rowan University Family Science Sunday - 2019;

Wenonah Environmental Commission 2016 - Present;

Facilitation of Downtown Glassboro planning meeting - 2018;

Humanitarian OpenStreetMap Team Mapathon Presentation – 2017;

Wenonah Home and School (Graphic Design) – 2016 - Present