Steve Schultz

PO Box 7270 Tacoma, WA 98417 | (206) 852-9433

saschultz@fastmail.com | https://saschu-uwt.github.io/portfolio

Professional Experience

Operational Geospatial Information Systems and Data Visualization:
- Ran the U.S. Coast Guard's busiest search and rescue center. Employed Esri's Search and Rescue Optimal Planning System (SAROPS) to help save or assist 2,900 lives and $113 million worth of property over two years.
- Conducted an in-depth study of the Coast Guard's 25-year, $19 billion plan to replace its aging fleet of ships and aircraft: discovered potential gaps in operational readiness that resulted in shifting to an alternate plan ensuring continued operations with efficiencies saving up to 100 full-time employees on large ships.

Collaboration:
- Partnered with Metro Parks Tacoma to develop a comprehensive park siting plan that prioritized marginalized youths while ensuring all residents access to green spaces.
- Coordinated with Canadian, Mexican, and U.S. Navies, overcoming political limitations to realize a cooperative, five-year training and exercise plan under the North American Maritime Security Initiative.
- Liaised with 55 local and state agencies on regional search and rescue councils to foster cooperation. Implemented standardized marine radio procedures and an integrated emergency dispatch system that reduced interagency response times by 75 percent.

Project Management:
- Oversaw Coast Guard's West Coast infrastructure capital asset projects. Prioritized annual $50 million budget for new projects and existing facilities worth $550 million.
- Damage Control Assistant aboard the Coast Guard's largest ship. Led all emergency events in the remote, hostile environments of the Arctic and Southern Oceans. Trained and equipped a 150-member crew in firefighting, damage control, and first aid.

Community Engagement
- Regular contributor to the American Red Cross Missing Maps Project.
- Volunteer laborer with Habitat for Humanity.

Research Skills
- Proficient with Python, JavaScript, HTML, CSS, SAROPS, and Web mapping suites.
- Proficient with ESRI ArcGIS suite, Adobe Creative Suite, and Microsoft Office suite.
- Experience working with U.S. Census Bureau data products, LiDAR analysis, satellite data analysis, index construction, and data collection from local/state/federal sources.

Education
- MS in Geospatial Technologies; University of Washington, Tacoma (August 2021)
- BA in Photography, minor in Photojournalism; San Jose State University, CA