



WILLIAM RUZEK

GIS/REMOTE SENSING EXPERT

PROFILE

Name

William George Ruzek

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Website

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Nationality

United States Citizen

Languages

English - Native/Fluent
German - Intermediate
Chinese - Beginner

EDUCATION

Bachelor of Arts in Geography

Ohio Wesleyan University
(3.9 GPA, Distinguished Scholar, Dean's Travel Grant)

Master of Science in Geography

Florida State University
(1st year Mentorship, 2nd Year Lecturer Scholarship)

EXPERIENCE

2016 - Present
Germany

**William Ruzek: Geospatial Services
Freelancer**

- Expertly provide various Geospatial products for global clients including bathymetric, multispectral analysis and cartography
- Actively seek new clients leveraging previous conservation network and contacts
- Provide geospatial expertise on a variety of conservation projects across SE Asia, including agricultural assessment in northern Laos, bathymetric surveys in Borneo and climate change impact in South Africa.
- Utilize, acquire and analysis imagery from the latest satellite imagery providers such as Planet Labs (3m), Sentinel 2 (10m) and Landsat 8 imagery (15m)

2015 - Present
Myanmar

**Project Manaia
Operations Manager | Cartographer**

- Successfully managed and operated a series of 12-day research expeditions on 14m catamaran *SeaNomad*. Responsible for permitting, financial reporting, client safety, and expedition logistics while assisting with boat operation/maintenance
- Planned and executed coastal area mapping and surveying of select islands in the southern Mergui Archipelago
- Produced high-quality bathymetric and terrestrial maps, and species reports for publication and media outlets
- Utilized remote sensing imagery to understand landscapes, land-use and vegetation of the islands, and identify KBAs
- Collaborated with NGO's, tourism companies and local parties in both the islands and the Kawthaung region

CAREER OBJECTIVE

GIS/Remote Sensing professional with analytical, field and communication skills and experience

Energetic and self-motivated geospatial professional with skills in data collection, synthesis, analysis and processing, seeking global opportunities to extend knowledge to practical applications in the field, lab or office environment. Skilled organizer, communicator, and team player able to work well with stakeholders to support programs in the context of high-level objectives such as ecosystems assessments and integrated coastal zone plans. Critical thinker with solid technical grasp able to rapidly assess needs, identify solutions and plan workflow to support capacity building. Culturally sensitive with a strong work, education and conservation ethic.

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SKILLS

Microsoft Office | Adobe Photoshop
Faro Scene | QGIS | Digital Photography
| Windows and Mac OS | ESRI ArcGIS |
ERDAS Image | Google Earth | MultiSpec
Univ | Leica Cyclone | GPS | SpaceKnow
Analytics

Multispectral Image Analysis
Land-Use Classification
Field GIS/GPS ground truthing
Satellite imagery

PROFESSIONAL AFFILIATIONS

American Association of Geographers
(AAG)
Professional Association of Diving
Instructors (PADI)
American Society for Photogrammetry &
Remote Sensing (ASPRS)

PUBLICATIONS

Ruzek, William. 2015. "The Informal
Economy as a Catalyst for
Sustainability." *Sustainability* 7, no.1:23-
24

EXPERIENCE

2014 -2015
S.E. Asia

China Exploration & Research Society
Geographer|Cartographer

- Developed base maps for expeditions, project sites, and wildlife studies throughout China, Laos, Myanmar, Nepal, Tibet, Philippines, and Taiwan, including managing a camera trap database and large-scale geographic wildlife databases
- Applied extensive mapping and surveying experience to document trails, expedition routes, and assist with travel logistics • Created land-use map of Northern Lao utilizing remote sensed imagery, and documented recent deforestation and the encroachment of rubber plantations in the NamHa Protected Area • Assisted in local Wildlife Identification Seminar with presentation of "GIS and Participatory Mapping" in Luang Namtha, Laos attended by local government officials and ecotourism guides

2011
China|Tibet

Lead Navigator

- Successfully navigated a 17-person multidisciplinary expedition team through China and Tibet to the source of the Salween River in Tibet, as well as created route options across difficult terrains utilizing latest satellite imagery
- Proactively supported expedition routines, wildlife surveys, travel logistics, and produced all expedition maps

2009
S.E. Asia

Geographic Intern

- Developed ecotourism literature and hiking guides for several CERS projects across China and Tibet. Proactively assisted in the acquisition of museum artifacts documenting the Li Minority. Mapped rural hiking trails in Yunnan, China and presented research at the Association of American Geographers annual meeting

2013 - 2014
Across USA

RoadView Inc
Field System Operator

- Operated and maintained LiDAR equipment in a road survey van; developed efficient route planning and data collection methodologies; verified terrestrial laser scanning accuracy
- Ensured seamless operational processes and collected data according to set rules and guidelines

2013
Florida, USA

Nobles Consultant Group
Intern

- Operated Leica C10 and Faro 3D point cloud data scanners. Contributed solid multitasking skills while leading a comprehensive compilation of 3D laser scans. Compiled materials for and designed an online laser scanning course, and completed training in diverse 3D data collection and processing techniques.