Brendan McGill

brendanmc6@gmail.com | +49 176 6500 0920 | Freiburg, Germany

SKILLS

GIS
• Several thousand hours of hands-on experience with ArcMap, ArcGIS Online, ESRI WebApp Builder, and QGIS.
• Broad variety of spatial analyses and applications, from environmental impact reporting to crowd-sourcing.

Productivity
• Citavi & Mendeley (reference management software).
• Advanced Excel/Google Sheets formulation.
• Office Suite, Adobe Pro, LaTeX, GitHub & Slack.
• Fundamentals of Python/ArcPy, HTML & CSS. Currently learning JavaScript.

ACHIEVEMENTS

DAAD-Promos-Stipendium, 2016
Scholarship for select Uni-Freiburg students studying or performing research outside of Europe.

Inductee: Phi Beta Delta Honor Society for International Scholars, 2013

Goetha Institut Zertifikat Deutsch: B1 (2012)

EXPERIENCE

EIFER | Research Assistant
European Institute for Energy Research
Jan. 2017 - Present | Karlsruhe, Germany
- Literature review on GIS based methods for public participation in urban governance: compilation of database, presentation and recommendations.
- Support for EU Interreg 'UrbanInno' pilot: Built and tested PPGIS application for e-bike infrastructure planning and bike-sharing in Karlsruhe, Germany.

UNISON GROUP KG | Research Assistant
Aug - October 2016 | Bishkek, Kyrgyzstan
- Local Kyrgyz NGO focused on renewable energy, climate change, and good governance issues.
- Research project investigating barriers to Spatial Data Infrastructure & implications for climate adaptation via qualitative interviews with development experts and government officials.
- Capacity building: conducted GIS courses for local NGOs and government employees.

REC CONSULTANTS INC. | GIS Analyst II
Aug. 2013 – Sept. 2015 | San Diego, California
- Spatial analysis/research, creation of detailed and aesthetic habitat, species, and development impact maps. Utilized Python/ArcPy programming to automate time-consuming mapping tasks.
- Environmental impact reporting, permitting, field work, and due diligence. Worked closely with planners, biologists, engineers and developers on a daily basis.

EDUCATION

UNIVERSITÄT FREIBURG | MSc. Environmental Governance
December 2017 | Freiburg, Germany
Unique multi-national & interdisciplinary program combining environmental management, environmental politics, and global development curriculum. Study and teaching methods emphasize presentation, intercultural communication, group work, and research skills development.

SONOMA STATE UNIVERSITY | B.A. Environmental Studies and Planning | Minor, German Language
Class of 2013 | Rohnert Park, California
Project-oriented program blending urban and environmental planning. Course work included sustainable planning practices, urban design, land use law, environmental impact reporting, physical sciences, environmental research and writing.

RESEARCH

Crowdsourcing and Participatory GIS for Sustainable Urban Development.
A case study of web-based participation for e-bike infrastructure planning in Karlsruhe, Germany.
MSc. Thesis - Expected completion December 2017

Spatial Data Infrastructure in Kyrgyzstan
Limitations, opportunities, and and implications for climate adaptation.
October 2016, awaiting publication