# Sebastian Scheckel

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## Education

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| 2013–(2016) | **Master of Science**, *Paris Lodron University*, Salzburg, *Applied Geoinformatics*. |
| 2009–2013 | **Bachelor of Science**, *Friedrich Alexander University*, Erlangen, *Physical Geography*. <br> Final Grade: 1.9 |
| 2007–2009 | **without degree**, *Friedrich Alexander University*, Erlangen, *Jurisprudence*. |
| 2007 | **High School Graduation**, *Gymnasium Eckental*, Eschenau, *Allgemeine Hochschulreife*. |

## Master thesis

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| title | *Development of a time series Python package for the analysis of satellite data.* |
| supervisors | Dr. Michael Riffler |

## Experience

### Vocational

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| since 05/2014 | **independent employee**, *Geoville*, Innsbruck. <br> Software development for processing time series data, gained from optical remote sensing data. The main development is performed in R and Python. The following packages are utilized: Numpy, Scipy, Sklearn, Pandas, Rasterio, and Gdal. Furthermore, the processing steps are optimized for a high performance computing environment. |
| 2014 | **Internship**, *Deutsches Zentrum für Luft- dund Raumfahrt (DLR)*, Oberpfaffenhofen. <br> Software development of a Python package for the preprocessing of multispectral Satellite data. |
| 2013 | **Internship**, *El colegio de la frontera sur (ECOSUR)*, Tapachula (South Mexico). <br> Time series analysis of Landsat imagery for the evaluation of the land use. |

2011–2013 **Research assistent**, *Friedrich Alexander University*, Erlangen.
Tutor for GIS and remote sensing (Prof. M. Braun)
Tutor for geomorphology, and soil science (Prof. R. Bäumler)
Assistant at the excursion to Mexico/Guatemala (Prof. R. Richter)
Development of a GIS and remote sensing Wiki (Prof. Braun)

## Languages

German **native tongue**
Spanish **native tongue**
English **good working knowledge**

## Computer skills

| Programming | **Python (NumPy/SciPy, Scikit-learn, Pandas)** | *very good knowledge* |
| | **R-Statistics, Latex, PostgreSQL, Linux** | *good knowledge* |
| | **HTML, CSS, Java, Javascript, C++/C** | *basic knowledge* |
| Software | **ArcMap, QGIS** | *very good knowledge* |
| | **Erdas Imagine, eCognition 9.0x, MS-Office, Adobe Illustrator** | *good knowledge* |
| | **Tableau, Adobe Photoshop, Geomatica** | *basic knowledge* |

## Interests

traveling, swimming, climbing and bouldering, mountain biking, Clarinet playing, reading, programming