

# Steven B. Masschelin

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I'm an Earth Scientist turned Data Scientist who loves getting his hands dirty and figuring out how things work, whether they be mechanical or digital. I'm diligent, resourceful, and hardworking and like nothing more than getting stuck into the middle of a project or position.

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## ***Skills & Technology***

**Data Science:** Python, BeautifulSoup, Numpy, Matplot, Seaborn, SQL, Tableau, Matlab

**Marketing/Web Analytics:** Google Analytics, Excel

**Other:** 2-years experience using various GIS software packages including ArcGIS, QGIS, and GeoPandas

## ***Experience***

**General Assembly Data Science Immersive**, Washington D.C. September - December 2017

- Participated in full time immersive course, completing course work, subject labs, class projects.
- Kaggle competitions, and personal projects covering statistical analysis, machine learning, and data engineering among other topics.
- Acquired, cleaned and explored large datasets using Python, SQL, and Tableau.

**Engineering Technician I**, Triad Engineering February - July 2017

- Cast concrete cylinders for compressive testing.
- Conducted Nuclear Moisture and Density tests on soil and asphalt to determine compaction based on lab Proctor values.
- Supervised soil borings and rock coring for geotechnical projects.
- Drafted sections of 5 geotechnical reports including project background geology, seismic hazards, and soil conditions.
- Installed and monitored borehole infiltration testing equipment.
- Conducted QA special inspections of rebar and subgrade to ensure they met plan specifications, oversaw drilling of micropiles, and performed sinkhole remediation on a 3-billion dollar construction project.

**Teaching Assistant**, Guilford College August 2011 - May 2013

- Assisted with lab preparation and provided guidance during lab sessions.
- Graded assignments and labs.
- Administered quizzes and exams.

## ***Education***

**University of Alberta**, Department of Earth Sciences, Edmonton, AB, Canada August 2013 - August 2015  
M.Sc. Geology, Graduate Coursework

**Guilford College**, Greensboro, NC, USA August 2008 - May 2013  
B.S. Geology