Ryan Carpus

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627 Honeysuckle Lane
Milan, MI 48160

Detail-oriented geotechnical staff engineer well-versed in laboratory testing and technical writing. Has self-studied programming languages including Python, Javascript, R, and SQL, and learns new concepts quickly. Seeking to change careers from civil engineering to a programming field.

Work History

G2 Consulting Group
Staff Engineer

- Maintain quality system by keeping up-to-date laboratory inventory, calibration and maintenance records, employee training records, and accreditation status through AASHTO Re:source.
- Perform a variety of laboratory tests on concrete and soil samples to determine relevant engineering parameters.
- Provide on-site inspection and field testing on a variety of construction projects for quality control of concrete, asphalt, and soils.
- Write engineering reports providing analyses and recommendations for design and construction considerations.
- Prepare proposals for construction quality control and geotechnical investigation projects.

EDUCATION

University of Michigan Ann Arbor, MI
Bachelor of Science in Engineering in Civil and Environmental Engineering December 2016
GPA: 3.7/4.0

University of Michigan Ann Arbor, MI
Master of Science in Engineering in Civil and Environmental Engineering December 2017
GPA: 3.6/4.0

Certificates

Introduction to Data Science in Python by University of Michigan on Coursera. Certificate earned at Monday, August 19, 2019 8:47 PM GMT

Applied Plotting, Charting & Data Representation in Python by University of Michigan on Coursera. Certificate earned at Monday, September 2, 2019 1:51 AM GMT

Applied Machine Learning in Python by University of Michigan on Coursera. Certificate earned at Tuesday, September 17, 2019 6:45 PM GMT

Skills

- Time-Management
- Detail-Oriented
- Coordination with clients and subcontractors
- Communication of project expectations with clients

Programming Languages

- Python
- R
- Javascript (HTML/CSS)
- SQL