

# Seth T. Howells



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## EDUCATION

**Lewis University**, Romeoville, IL

Master of Science Data Science, concentration Computer Science received 08/2022  
GPA 3.93

**West Virginia University**, Morgantown, WV

Bachelor of Science in Business Administration, concentration Global Supply Chain Management received 05/2017

## EMPLOYMENT

**Lewis University, MSDS Capstone Project**  
Romeoville, IL

01/2020 – 08/2022

- Published Paper in (ICECCME) International Conference on Electrical, Computer, Communications and Mechatronics Engineering journal for 2022 conference, titled “Depth Maps Comparison from Monocular Images by MiDAS Convolutional Neural Network and Dense Prediction Transformers” – available November 2022.
- Developed approach toward point cloud creation from calibrated single-view monocular images by leveraging dense prediction transformers and compared results to fully connected convolutional neural network depth maps.
- Coded python program for pixel-to-voxel transformation from deep learning models to create 3D geometric files viewed through point clouds and virtual reality from a single 2D image.

**Bank of New York Mellon, Corporate Actions Analyst**  
Pittsburgh, PA

02/2020 – Current

- Created Python and VBA scripts to automate security allocation processes resulting in error-free 85%-time reduction.
- Developed customized Python and VBA scripts to automatically analyze, remove, and modify textual data from DTCC Financial Offering documents resulting time reduction over 95% in reformatting processes.
- Identified all eligible holders, developed, and ensured distribution related to corporate market events complex with timely escalations for valid reconciliation.
- Researched corporate action events using DTCC database to communicate accurate Offerings’ information to Holders while scanning daily for new or updated data.
- Nominated to leadership roles by mentoring development of new hires, establishing cross-training sessions for transnational departments, first-line contact of data integrity team, and assisted in Global markets operations.

**Elite Transit Solutions, LLC, Logistics Manager**  
Pittsburgh, PA

05/2017 – 02/2020

- Mid-level manager controlling over \$4M book-of-business generating 15% profit margin, leading 10-member team.
- Acted as first point of contact for one-third of total clients with scope ranging from small shippers to Fortune 500.
- Liaison between C-level executives and operations team leaders to monitor financial health of the company sales.
- Conducted monthly and weekly meetings with clients’ Directors of Transportation and Transportation Managers to discuss performance metrics, compare KPI analyses, and collaborate strategies in upcoming projects.
- Played integral role in user-interface testing for launch of in-house transportation management system.

## TECHNICAL SKILLS / TOOLS / LANGUAGES

*\*\*For an in-depth review of data analytics and data science, please visit my website or scan the QR code at top of page.*

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|---------------------------|----------------------------|----------------------------|
| • Artificial Intelligence | • Tensorflow, Torch, Keras | • Python                   |
| • Business Intelligence   | • Scikit-Learn, SciPy      | • SQL                      |
| • Computer Vision         | • Matplotlib, Seaborn      | • R                        |
| • Data Mining             | • Hadoop, Spark, MongoDB   | • HTML                     |
| • Data Modeling           | • AWS – EC2, S3            | • Java                     |
| • Regression / Prediction | • PowerBI, Tableau, Excel  | • Visual Basic Application |
| • Machine Learning        | • SAS                      | • Command Line             |