

Sean Mannisto ❖ seanmannisto@gmail.com ❖ (631) 561-9804 ❖ Chicago, IL

SKILLS

Statistical Analysis, Data Visualization, Data Cleaning/Wrangling, Scripting/Automation,
Software Development, User Interface Design, Customer Service, Research & Report Writing

WORK EXPERIENCE

DEKA Research & Development

Jun 2023 – Present

Software Development Intern / Contractor

Manchester, NH & Remote

- Designed, programmed, tested, debugged, deployed, and documented a GUI-based Windows application for the Computer-Aided Engineering department, using VB.NET/.NET Framework, Batch scripts, and SQL.
- Integrated in-house software tools within the application, simplifying Computational Fluid Dynamics and Finite Element Analysis workflows, improving user experience and increasing simulation software usage by engineers.
- Automated server reporting & monitoring within the application, reducing resource usage conflicts between users.
- Created Python scripts for extracting, processing, calculating, and validating/error-checking simulation model data, as well as automatic generation of HTML/CSS based reports.

Club Marcella

Feb 2016 – May 2022

Lead Barback, Maintenance, VIP Server, Licensed Security

Buffalo, NY

- Led and trained a small team of barbacks to set up, stock, and clean bar equipment and products.
- Managed inventory and deliveries; Performed maintenance, repairs, and construction projects.
- Secured entrances, monitored customers, and provided service for VIP customers.

Southwest Michigan Planning Commission

May 2012 – Aug 2012

Planning and GIS Intern

Benton Harbor, MI

- Created maps, charts, and graphs using US Census data with visualization software such as ArcGIS & Excel.
- Edited and summarized documents for stakeholder presentations, as well as town and regional plans.

Abonmarche Consultants

May 2011 – Aug 2011

Planning Intern

Benton Harbor, MI

- Drafted grant proposals, environmental assessments, presentations for development & transportation projects.
- Tabulated and summarized data, including surveys and non-motorized transportation data.

EDUCATION

Southern New Hampshire University

Nov 2023 | 4.000

BS: Data Analytics | Minor: Applied Mathematics

Manchester, NH

- Statistics, machine learning, data visualization, differential equations, linear algebra, data ETL, data ethics, business requirements

State University of New York at Buffalo

Feb 2013 | 3.009

BA: Social Science Interdisciplinary | Concentration: Urban and Public Policy | Minor: Environmental Design

Buffalo, NY

- Social science research, GIS, urban planning, development, transportation, environmental design, calculus, physics, Earth systems

CERTIFICATIONS

DeepLearning.AI - Machine Learning

Dec 2022

Google - IT Support

Oct 2022

Google - Data Analytics

July 2022

SOFTWARE EXPERIENCE

Python (*pandas, numpy, matplotlib, seaborn, scikit-learn, TensorFlow*), VB.NET (.NET Framework, Windows Forms), SQL (*MySQL, Google BigQuery, PostgreSQL*), HTML/CSS, R (*ggplot2*), Java, MATLAB, Git, Tableau, IDEs (*Visual Studio, VS Code, Jupyter Notebooks*), Microsoft Office (*Word, Excel, PowerPoint, Outlook*), Google Suite (*Docs, Sheets, Slides, Gmail*)