

ERIN JAMES WILLS

Chicago, IL

ejw.data@gmail.com

• Dedicated learner of technology • Motivated by value added tasks • Feel accomplished when increasing efficiency and outcomes • Found hidden coding and teaching talents several years into career • Jack of all trades, master of some • Interested in finding a role utilizing my breadth but enables development of depth.

Languages and Aptitudes: Python (NumPy, SciPy, pandas, scikit-learn, etc.), SQL/Postgres/MongoDB, VBA & Adv. Excel, Tableau, Bash, Git, Flask, HTML, CSS, JS (D3, Plotly, Leaflet, etc.), Office365 & SharePoint, Adobe Creative Cloud, Google Suite, Stats (SPSS, JMP, etc.), LMS (Blackboard, Canvas), JIRA

Technical Skills: **Data Acquisition:** API, SQL, file extraction, web scraping, **Data Cleaning and Visualization:** VBA/Excel, pandas, Matplotlib, Seaborn, JS, Tableau, **Statistical:** trends, hypothesis testing, feature selection, **Regression:** OLS, MLR, Lasso, Ridge, Polynomial, SVR, Random Forest, **Classification:** Logistic, KNN, SVC, Random Forest, **Clustering:** K-Means, Hierarchical, **Deep Learning:** Keras

Projects: Over 50 repositories related to data and visualization. Active project work involves developing machine learning models and simulations for my technical development and teaching content for a data science bootcamp. Visit <https://ejw-data.github.io> and <https://github.com/ejw-data> to learn more.

PROFESSIONAL EXPERIENCE

Teaching Assistant, Data Science Bootcamp | Trilogy, Inc. | May 2020 – Present

- Supported student training (14hr/wk) for VBA, Python, JavaScript, Tableau, R, and machine learning.

Sr. Program Coordinator | CLP Institute, Northwestern University | Sept. 2018 – Dec. 2021

- Developed workflows, websites, SharePoint data collection system, automated data preparation, and supported institute's events, IT and facilities.

Education Coordinator | CURENT, University of Tennessee | Jan 2013 – Aug. 2018

- Managed personnel and academic database of 200+ members annually that supported annual reporting and milestone progress tracking. Developed organization websites.
- Increased outreach participation to over 6,700 community members, undergrad researchers by 4x and 70% increase in domestic graduate students within 2 years of implementing policy changes.

Systems Engineer | Innovative Controls Inc. | Jan. 2010 – May 2011

- Consultant for 2 Fortune 500 companies – Developed chemical plant automation systems remotely and tested processes on-site while providing system training. Service contracts were approx.. \$20K/month.
- Implemented full project lifecycle – scoping, approvals, implementation, testing, training, sunsetting

Operations Engineer | BASF Corporation | June 2007 – Feb. 2009

- Responsibilities included writing PCS7 logic and adapting code for daily operations, testing processes, and training new hires and shift workers on production, safety, and new technology.

EDUCATION

Certificate in Data Science, 2020, Northwestern University, Evanston, Illinois

MS Education, 2013, University of Tennessee, Knoxville

BS Chemical Engineering, 2007, Purdue University, West Lafayette