J. Howard, Data Scientist

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Portfolio – justhow.info | LinkedIn – linkedin.com/in/justhow/ | GitHub – github.com/justhow/

Professional Summary

Data Scientist specializing in NLP, with a broad base of skills both soft and technical from two decades working freelance and otherwise in web technologies, general IT, & comms/marketing including both nonprofit orgs and for-profit companies large and small.

Technical Skills & Proficiencies

Technologies: Python | SQL | Tableau | Spark | HTML5 | CSS3 | Flask | Github | WordPress | LAMP Stack
Python libraries: Pandas | NumPy | SciPy | Matplotlib | Seaborn | Scikit-learn | nltk | Keras | TensorFlow
Other Skills: Web Scraping | Data Cleaning | Supervised & Unsupervised Machine Learning (ML) |
Predictive Modeling | Time Series Modeling/Forecasting | Data Visualization | Data Analysis

Selected Experience

Data Products Developer, FEA   2022 – 2024

- Developed data pipelines, analytics, reports, and visuals, both client-facing and internal.
- Researched & drafted annual inflation report for construction industry.
- Wrote documentation for data tools new and existing, developed by me or by contractors.
- Extracted and established KPIs for evaluating success of Business Development initiatives.
- Wrote detailed analysis and created charts and other data vis for all of the above.
- Established and documented systematic, repeatable process for all of the above.

Owner / Lead Developer, J. Howard Consulting   2012 – Present

- Wrangled & cleaned messy and unstructured data into usable forms.
- Analyzed and presented findings on various client data sources.
- Created WordPress custom themes to spec provided by clients.
- Facilitated discussions re: web strategy and site architecture.
- Managed as many as three subcontractors through various projects.
- Drafted written guides and provided training in use of WordPress to end-users.

Data Science Fellow, General Assembly   2020 – 2021

- 40 hours a week in-class + 20-30 self-directed coursework.
- 6 major Data Science projects

IT & Network Specialist, Sundog Solar, LLC   2017 – 2020

- Supported office, field techs, and customers with technical challenges.
- Developed and implemented Ops procedures, including management of inventory, sales-to-contract-to-installation workflow, and service request management pipeline.

Marketing & Membership Administrator   2015 – 2017

- Organized and maintained Owner records, processed invoices and payments for ownership shares.
- Advised strategy using data from sales, Owner feedback, and associated analytics tools.
- Created graphical materials for print, web, and social media using Adobe Creative Suite.

Web Publisher, Human Rights First   2009 – 2012

- Full implementation of custom WordPress CMS & theme from existing site, importing and parsing huge volume of existing unstructured content using tools including grep, sed, and curl.

Education

Vassar College, BfA, English & Drama   **2003 – 2007**
General Assembly, Data Science Certificate   **2020 – 2021**