Nathan Drezner

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PLOTLY

Plotly provides online graphing, analytics, and statistics tools and web frameworks for individuals and collaboration.

Technical Product Manager

📅 Oct. 2023 – Present   📍 Montréal, Canada

- Contributing to products including App Studio, Dash libraries, Plotly graphing libraries, and Dash Enterprise.

Manager, Professional Services

📅 Nov. 2021 – Oct. 2023   📍 Montréal, Canada

- Manage a team of 10+ consultants, interns, and contractors in Professional Services
- Develop and advise on software for Fortune 500 companies in fields including healthcare, government, energy, and technology

Project Lead, Professional Services

📅 May 2021 – Nov. 2021   📍 Montréal, Canada

- Manage client projects and best practices in design, architecture, and performance within the Professional Services team
- Develop production-ready Dash applications, components, and tools using the Dash Enterprise framework

Solutions Architect, Professional Services

📅 Feb. 2020 – May 2021   📍 Montréal, Canada

- Develop Dash applications using the full-stack Dash Enterprise framework
- Contribute to both Plotly's open- and closed-source software projects and work with tools including Plotly, Dash, React, Apache Spark, Redis/Postgres

RESEARCH

Research Assistant

.txtLab - a laboratory for cultural analytics at McGill University

📅 October 2018 – May 2020   📍 Montréal, Canada

- Studied the salient language of disagreement and consensus building on Wikipedia, overseen by Profs. Andrew Piper and Richard Jean So

Research Assistant

Montréal Computational & Quantitative Linguistics Lab - a labratory to study fundamental questions about language acquisition, processing, use in society, and change over time

📅 November 2019 – May 2020   📍 Montréal, Canada

- Studied patterns of productivity and reuse in language including designing an algorithmic implementation of a qualitative model for productivity, overseen by Prof. Timothy O'Donnell

SKILLS

- **Language**: Python, Javascript, Bash, Clojure, French (some working proficiency)
- **Technologies**: Dash, Plotly, CI/CD pipelining, React, Redis, ArcGIS, MapBox, pandas

EDUCATION

McGill University

Bachelor of Arts

📅 Sept. 2016–Apr. 2020

- Double major in Computer Science and English, cultural studies
- Awarded the Arts Undergraduate Research Award for .txtLab work, a grant given to support undergraduate students who undertake research under the direct supervision of a faculty member

PERSONAL PROJECTS

Wikipedia Histories

- A Python tool for retrieving the textual revision history of any Wikipedia article, with more than 30,000 lifetime downloads and 200 downloads per week.

Wikipedia Picture of the Day

- Daily automated posting of Wikipedia's picture of the day on Bluesky at @wiki_potd with 40k+ followers.

PUBLICATIONS

Predicting the Author

- Published in *The Channel*, McGill Department of English Undergraduate Review "**Predicting the Author: A Critique of Auteur Theory**", *The Channel*, January 18, 2022. mcgillchannelundergraduatereview.com

Everyday Specialization on Wikipedia

- Published by the McGill .txtLab. **"Everyday Specialization: The coherence of editorial communities on Wikipedia"**, *.txtLab Collaborations*, September 30, 2020. txtlab.org

Reconciliation in Chaos

- Published in *The Channel*, McGill Department of English Undergraduate Review "**Reconciliation in Chaos: Tracing word distributions and sentiment in the monologues of *Palace of the End***", *The Channel*, March 26, 2019. mcgillchannelundergraduatereview.com