

Nathan Drezner

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PLOTLY

[Plotly](#) Plotly provides graphing, analytical, and statistical tools for individuals and teams.

Technical Product Manager

📅 Oct. 2023 – Present 📍 Montréal, Canada

- Responsible for Dash (80m+ lifetime downloads), Plotly.py (500m+ lifetime downloads), Plotly.js, and other OSS Plotly libraries, with a focus on modernization and performance improvements.
- Libraries projects include Dash Ag Grid, Enterprise Dash with deep links, universal dataframe support in Plotly.py, Maplibre support in Plotly.js, and a CLI and Python utility for Dash Enterprise.
- Launch of App Studio with features including automated code generation, lazy tables, theming, and task scheduling.

Manager, Professional Services

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

- Managed a team of 10+ consultants, interns, and contractors in Professional Services.
- Developed and advised on dozens of software solutions for Fortune 500 companies in various sectors including healthcare, government, energy, and technology.

Solutions Architect & Project Lead, Professional Services

📅 Feb. 2020 – Nov. 2021 📍 Montréal, Canada

- Managed client projects and established best practices in design, architecture, and performance.
- Developed production-ready Dash applications, components, and tools using the Dash Enterprise framework.
- Contributed to both Plotly's open- and closed-source products.

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 laboratory 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 50k+ 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. mcgillchannelundergraduaterewiew.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. mcgillchannelundergraduaterewiew.com