

Nathan DDDD

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PLOTLY

[Plotly](#) provides online graphing, analytics, and statistics tools and web frameworks for individuals and collaboration.

Manager, Professional Services

📅 November 2021 – Present 📍 Montréal, Canada

- Manage a team of 10+ consultants, interns, and contractors in Professional Services
- Architect projects leveraging the Dash Enterprise stack from scoping to production
- Develop and advise on software for Fortune 500 companies in fields including healthcare, government, energy, and technology

Project Lead, Professional Services

📅 May 2021 – November 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

📅 February 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

- Designed and oversaw a .txtLab project to study the salient language of disagreement and consensus building on Wikipedia
- Work culminated in a white paper, "Everyday Specialization on Wikipedia", which was published in September 2020.
- Project 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

- Collaborator for a project studying patterns of productivity and reuse in language including designing an algorithmic implementation of a qualitative model for productivity
- Project 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

📅 September 2016–April 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 Twitter at [@wiki_potd](#) with captions and attribution from sibling account [@potd_context](#)

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