

# Nathan Drezner

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in [Nathan Drezner](#)

## EXPERIENCE

### Research Assistant

[.txtLab](#) - a laboratory for cultural analytics at McGill University

 October 2018 – Present  Montreal, Canada

- Designed and oversaw a .txtLab project to study the salient language of disagreement and consensus building on Wikipedia
- Conducted data mining of Wikipedia using its API and **BeautifulSoup** and web scraping of Amazon using BeautifulSoup
- Used **sklearn**, **pandas**, and **igraph** in **Python** and **R** to conduct network analysis and use NLP and ML to study linguistic patterns
- Project overseen by Profs. Andrew Piper and Richard Jean So

### Research Assistant

[Timeless Riddles](#) - a ROAAR project dedicated to transcribing, solving, and researching riddles found in early manuscripts

 April 2019 – Present  Montreal, Canada

- Oversaw digital humanities analysis of riddles using in **Python** by classifying riddles and visualizing semantic change based on riddle periods, publishers, and locations
- Designed and built a web app to illustrate riddle movement over time with **MapBox** and **JavaScript**
- Worked with tools and datasets from **Gale** and **HathiTrust**
- Project overseen by Prof. Nathalie Cooke

### Research Assistant

[Opal Med Apps](#) - a patient portal to empower cancer patients

 May 2018 – August 2018  Montreal, Canada

- Produced media to help illustrate the functionality and features of Opal as it was rolled out to patients
- Worked with the Cancer Mission Patient's society to help illustrate their goals and mission statement
- Project overseen by Profs. John Kildea and Laurie Hendren

### Staff Writer

[The Bull and Bear](#) - McGill's student-run news magazine

 Nov. 2016 – April 2018  Montreal, Canada

- Wrote articles for the Arts & Entertainment section on a bi-weekly basis
- Covered topics including popular culture, technology, and mass media

## AWARDS

### Arts Undergraduate Research Award

Given to support undergraduate students who undertake research during the summer under the direct supervision of a faculty member  
*\$4,000 grant for work with .txtLab, 2019*

## SKILLS

- **Language:** French (limited working proficiency), Python, R, JavaScript, Bash, Java, C, HTML, CSS
- **Technologies:** scikit-learn, pandas, beautifulsoup, igraph, AWS, MapBox, Adobe CC

## EDUCATION

### McGill University

Candidate for Bachelor of Arts  
(Double Major in Computer Science and English Cultural Studies)

 September 2016–Present

## LEADERSHIP

### President & Team Development

[Canadian Intercollegiate Sailing](#) - governing body for Canadian collegiate-level sailing

 January 2017 – Present

- Elected by a coalition of 18 teams across Canada to two terms as president of CICSA and one term as team development officer
- Oversaw development of an online scoring system built entirely from scratch and implemented a program to provide bursaries for underfunded teams in the league

## PERSONAL PROJECTS

### Network Analysis of Horror Films

- Studied thematic patterns, tropes, and the structure of the horror genre using social networks
- Project overseen by Prof. Ned Schantz

### Wikipedia Picture of the Day

- Daily automated posting of Wikipedia's picture of the day on Instagram using both the Wikipedia API and Instagram API on [@wikipedia-tureoftheday](#)

## PUBLICATIONS

### 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  
[www.mcgillchannelundergraduaterewiew.com](http://www.mcgillchannelundergraduaterewiew.com)