

Thomas Kosciuch

Developer & Analyst
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<https://kosciuch.ca>

<https://github.com/fishwithlaser>

Experience

- Mar 2019 -- Aug 2019
Software Developer (6-Month Contract) JAM Direct Inc.
Toronto, ON <https://jamdirect.com>
- Produced live feed from time-logging software
 - Automated portion of client-reporting and created internal dashboard
- Tools:** Python (Flask, pyodbc), JavaScript, MSSQL, JSON, SQLite, Kubernetes, Docker, Bash, REST, git
- Jan 2018 -- Present
Data Analyst Heliolytics Inc.
Toronto, ON <https://Heliolytics.com>
- Developed, tested, and integrated cross-platform microservices
 - Created communication software specific to solar data analysis
 - Managed one of the world's largest solar-investment portfolios
- Tools:** Python, JavaScript, PowerShell, Google Scripts, SQLite, git
- Sept 2018 -- Mar 2019
Research Fellow & Software Dev. University of Toronto
Toronto, ON <https://utoronto.ca>
- Deployed software to model fluid and heat transfer
- Tools:** Python, Bash, git, Matlab
- Sept 2015 -- Dec 2017
Research Assistant & Web Dev. Coastal Hazards Labs
NASA Stennis Space Center, MS <https://coastalhazardslabs.org>
- Parsed data dumps and created organized data stores
 - Published journal articles using machine learning in natural hazards
 - Built and administered lab website (coastalhazardslab.org)
- Tools:** R, JavaScript (node.js), Machine Learning (PAM, K-means cluster analysis), AWS (EC2, S3, Route 53), Google Analytics, HTML/CSS (Materialize), JQuery

Volunteer

- Jan 2017 -- Present
Web Developer UNESCO IGCP 639
East Brunswick, NJ <https://sealevelchange.org>
- Sept 2018 -- Mar 2019
Contributing Author University of Toronto - The Varsity
Toronto, ON <https://thevarsity.ca>
- Apr 2018 -- Present
Youth Mentor StepStones4Youth
Toronto, ON <https://stepstonesforyouth.org>
- Jan 2016 -- Dec 2017
Treasurer⁽²⁰¹⁶⁾ & President⁽²⁰¹⁷⁾ Marine Tech. Society
NASA Stennis Space Center, MS <https://mtsociety.org>

Education

- Master of Science
U. S. Mississippi
NASA Stennis Space Center, MS
- 2015 -- 2017
3.8 / 4.0
Published with international governments
- Bachelor of Science
McMaster University
Hamilton, ON
- 2009 -- 2013
3.2 / 4.0
Presented at national conferences

Skills

Back-end

- Python (Django, Flask, Scrapy, Beautiful Soup, pyodbc), JavaScript, PHP, RESTful, Docker, Kubernetes, Data Warehousing (NoSQL, PostgreSQL, MySQL, sqlite3, json), Scripting (Bash, Powershell, Google Scripts, AppleScripts), VBA, git

Data Science

- Python (PySpark, NLTK, SciPy), R, Machine Learning (k-means, scikit learn, TensorFlow), Natural Language Processing (Bag-of-words, Markov-chains, word2vec)

Cloud Computing

- AWS (EC2, S3, route 53), Google Cloud (Data studio, CloudSQL, Maps API)

Front-End

- JavaScript (JQUERY, Node.js, vue.js), HTML/CSS (Bootstrap, Materialize)