

# Michael Hladun

## Software Engineer

## Contact

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## Experience

### Dash Social

#### *Business Intelligence Developer*

February 2024 - Present

- Created Celery tasks to populate HubSpot CRM objects using the HubSpot API
- Optimized bulk API requests by maximizing payload data
- Debugged, and refactored Python code running in Docker containers
- Performed data analysis to answer BI related questions for Product Managers
- Added and modified SQL models in a DBT project with the inclusion of tests.

### University of Ottawa Heart Institute

#### *Software Engineer*

November 2020 - February 2024

- Completed dozens of data requests for healthcare professionals using SQL, Python, and Pandas.
- Created a data pipeline to copy over 40GB of database records from TOH to UOHI.
- Developed a web based data dictionary for UOHI data.
- Filled the role of system admin for a LimeSurvey instance with over 100 users.

### Lumentum

#### *Software Engineer*

September 2018 - March 2020

- Created several data pipelines for Tableau dashboards using Python and Pandas.
- Designed one of the top 3 most viewed Tableau dashboards in the company.
- Developed a program to update hundreds of text files using Python and a C# API.
- Reviewed co-op students' code and provided them with constructive feedback.

## Projects

For more projects, please visit [michaelhladun.ca/projects](http://michaelhladun.ca/projects).

## Archive Software

September 2023 - Present

- Image board archive software with the following:
  - LNX-search integration serving 50+ million records with 10ms search results.
  - Automated image tagging and image search integrations supporting scales of 1+ million images, and NSFW filtering.
  - Web UIs with optimized speeds, rendering pages under 10ms, much faster than what Jinja can provide.
  - API downloader for text and media.

## Ottawa Community Pediatricians Network Directory

August 2022 - August 2023

- A pediatric clinic directory, [communitypediatrics.ca](https://communitypediatrics.ca). With over 75 registered clinics, it enhances the referral process for many physicians in the Ottawa area. The site receives 40 to 80 unique users per day.

## HollowLink

November 2023 - December 2023

- An anonymous email read-receipt service, [hollowlink.shoegaze.party](https://hollowlink.shoegaze.party).

## Uplaud

August 2024

- A convenient file/text share solution, [files.michaelhladun.ca](https://files.michaelhladun.ca).

## Education

### University of Regina

*BSc. Honours in Physics, Minor in Computer Science*

September 2014 - May 2018

- Authored an undergraduate thesis, viewable at [michaelhladun.ca/static/document/thesis.pdf](https://michaelhladun.ca/static/document/thesis.pdf)

## Skills and Interests

Python, Flask, Quart, Docker, Databases, MySQL, PostgreSQL, SQLite, Bootstrap, Ubuntu, Linux, Web Development, HTML, Jinja, Optimizations, JavaScript, CSS, Pandas, ETL, C++, Git, Tableau, Beautiful Soup, HTTP, Web Scraping, Google Maps API, System Administration, Data Engineering, Hosting, Data Hoarding, Backups, Redundancy, SSH, CI/CD, Version Control, Full Text Search, MeiliSearch, ManticoreSearch