

# An unforgettable experience with Digital Garage

Sep 15, 2022



As one co-op term ends and a new one begins, Junior developer Yelyzaveta Denysova decided to share her work-term highlights in two creatively designed infographics.



Yelyzaveta Denysova, better known as Elya to her colleagues, had an eventful 8-month co-op in Labour and Transportation Digital Solutions, Digital Garage office (DG). During her time in DG, Elya acquired many new skills and knowledge that will surely benefit her career goals.

As a student of Brock University's computer science program, Elya felt prepared to jump into the world of innovation and technology. Before long, she was getting hands-on experience with coding and testing applications, conducting analysis and research, working on Digital World, and much more.

As an active member of the team, Elya took the opportunity to share new ideas with the team, noting that she was *"even happier to share her knowledge by presenting at ShareTuesdays"*. ShareTuesdays are an opportunity for anyone in the Digital Garage office to share things they are working on with their colleagues.

Learn more about Elya's *'unforgettable experience'* in Digital Garage by checking out her infographics below.

## Co-op 2022: Personal Highlights

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# COOP 2022 AT DIGITAL GARAGE



The best part of completing my coop term at DG was getting to know and work with so many awesome people. They made my experience here unique and memorable, and I have learned so much from them. I enjoyed the collaboration we had with fellow coop students, the discussions about lab ideas, helpful feedback about my research from the manager and great contributions from developers. Thank you for making this workplace so fun!



I will not forget my window seat in the office. I liked coming to work in person and enjoying real communication with the team. The open environment encouraged collaboration and discussions, which had a positive impact on everyone's work and mood.



I have learned a great deal throughout this term. I got to try a lot of technologies that I haven't heard of before and advance my coding skills further. However, I am even happier that I had a chance to share my knowledge and be a presenter at ShareTuesdays and other meetings.



Overall, I am highly satisfied with this term, with the amount of knowledge I gained, with the support I have received, with the contribution I made. I feel like I have grown over the course of 8 months, way more than I was expecting. I am leaving happy but not forgetting Digital Garage.

## Co-op 2022: Work Highlights

# CO-OP 2022

YELYZAVETA DENYSOVA  
JUNIOR DEVELOPER AT DG

### BLOCKCHAIN

- Researched Blockchain and potential governmental use cases
- Tested technology through developing demo apps
- Created lab report with demo walkthroughs
- Designed a placemat for visual representation

### DIGITAL WORLD

- Continued to provide technical support for the Digital World project
- Assisted in developing tests to improve quality and reliability of updates deployments
- Improved the user experience on the admin page through enabling pagination of the sessions' list which tremendously increased the loading speed

### INTERPLANETARY IPFS FILE SYSTEM

- Researched IPFS and underlying technology as a decentralized storage option
- Prepared a detailed report and source files for demo
- Documented testing IPFS Desktop App

### TRAIN ADAPT OPTIMIZE TOOLKIT

- Discovered and Analyzed a new tool aimed to help with training machine learning model for a Highway Video Analysis project
- Summarized the results of my work and explained developed Jupiter notebook

### HIGHWAY VIDEO ANALYSIS

- Processed the labeled data of the vehicles obtained from highway camera stream recordings
- Developed multiple Python scripts to automate several tasks including capturing and storing videos from camera stream for the duration of 2 weeks to use it later for machine learning model testing and evaluation



Having worked closely with Elya, Jodi Janzen, Manager, Development and Science, chimed in to share a few kind words:

*"Elya contributed greatly to the DG over the course of her work terms. Through her attention to detail in coding of Digital World enhancements, innovative mindset in the Highway Video Analysis lab, and ability to research and present findings in the Blockchain lab, Elya impressed all who worked with her. During the Blockchain lab she created a well-designed placemat that greatly assists the audience in understand what Blockchain is and how it can be used. Overall, Elya was provided with many opportunities to investigate her interests, develop and showcase her talents. It's an opportunity that we strive to provide to all of our co-op students and I believe it is what has made us an employer of choice to co-op students."*

Reflecting on previous contributions co-ops have made to DG, Damian Sura, Senior Manager, Digital Garage, had this to say:

*"It is exciting to work with co-op students like Elya as she brought in new knowledge and a fresh perspective to our workplace. Co-op students come straight from the classroom learning environment and are often more current with the trends and latest technologies affecting the industry. Hiring co-op students is a great way to test-drive young talent while giving them a meaningful work experience with us."*

KUDOS to Elya on everything she accomplished while working in LTC. We wish her all the best on her next adventure and are excited to see what this next work-term has in store for all co-ops across the cluster.