

Toronto, ON  
Canada  
[github.com/quentinv72](https://github.com/quentinv72)

# Quentin Vilchez

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[quentinv72.github.io](https://quentinv72.github.io)

## Employment

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<b>Backend Engineer (Integrations)</b>	<b>Cornershop By Uber</b>	<b>July 2020 – Present</b>
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- Develop data pipelines to integrate our partners' catalog data into the Cornershop app.
- Create internal tools to integrate our partners' loyalty programs into the Cornershop app.
- Implement a client for the Cornershop Catalog API.
- Assess the coding challenges submitted by candidates for software engineering roles.
- Tools: Python, Pandas, Scrapy, Docker, PostgreSQL, Flask, Kubernetes, Airflow.

<b>Co-founder</b>	<b>Arzela</b>	<b>May 2018 – June 2019</b>
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*Arzela was born out of a research project at the University of Toronto. Arzela combined the predictive powers of data science and mathematical modelling to map networks of influence across social networks.*

- Developed scraping tools to collect social media data.
- Developed clustering algorithms.
- Managed the administrative side of the business.
- Tools: Python, Pandas, Scrapy, Selenium, NetworkX, Numpy.

## Skills

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- **Languages (Code)**: Python, JavaScript, Node.js, Go, HTML/CSS, R, MatLab, SQL.
- **Technologies**: Git, Docker, Linux, Airflow, Pandas, Scrapy.
- **Languages (Bilingual)**: English and French.

## Software Projects

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- **Color Therapy** is a web application that lets you generate playlists based on emotions and colors.
  - Utilized: JavaScript, React, Git.
  - URL: [www.colorthrapy.io](http://www.colorthrapy.io)
- **Spotimand** is a shell app to control your Spotify player.
  - Utilized: Go, Git.
  - URL: <https://github.com/quentinv72/spotimand>
- **MathVR** is a virtual reality web application to help students build an intuition for Mathematics.
  - Utilized: JavaScript, A-Frame, THREE.js, Git.
  - URL: <https://amirhmk.github.io/MathVR/>
- **NeuralStyleTransfer** is a web application that generates images using the neural style transfer algorithm.
  - Utilized: Python, FastAPI, Pytorch, JavaScript.
  - URL: <https://github.com/quentinv72/NeuralStyleTransfer>

For more information you can go to my Github account <https://github.com/quentinv72>.

## Education

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<b>Toronto, ON</b>	<b>University of Toronto</b>	<b>Sept 2015 – May 2019</b>
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- **Major**: BSc in Applied Mathematics (GPA: 3.7).
- **Coursework**: Probability Theory, Functional Analysis, Statistics, Machine Learning, Graphs in ML.

## Awards

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- **University College Alumni Scholarship** (University of Toronto)
- **First Prize at the University of Toronto Datafest**
- **Dean's List** (University of Toronto)