

# Matteo Gisondi

## Resume

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🐙 [GitHub](https://github.com/matteo-gisondi-b09662197)

Driven, resourceful and results-oriented Software Engineering graduate with a passion for coding and a strong foundation in DevOps. Aptitude for problem-solving and a passion for innovation. Seeking a challenging position in a dynamic environment where I can contribute my skills, and learn from experienced professionals and where I can leverage my technical and interpersonal skills to contribute to the success of the organization.

## Skills and Qualifications

**Programming Languages:** Strong proficiency in Python, C#, Java, TypeScript, HTML/CSS

**Operating Systems:** Solid sysadmin foundations - Linux (RedHat, Fedora, Ubuntu, Arch, Debian), Windows

**Deployment:** Cloud (Azure, DataBricks, AWS, GCP), Docker, Kubernetes, GitLab CI/CD, GitHub, Terraform, Azure DevOps, Virtual Machines

**Frameworks:** Experience with modern frameworks - Blazor, Avalonia, Django, Flask, React, Vue

**Databases:** Solid understanding of relational databases - MySQL, PostgreSQL, SQLite, GraphQL

**Languages:** English, French; Conversational Italian & Spanish

## Employment

2022–Current **Data Science Intern**, *Shared Services Canada*, Montreal, QC Canada

### Kubernetes

- Deployed experimental Kubernetes Clusters to leverage KubeFlow, Onyxia, and KubeVirt, automating the deployment process with Terraform.
- Produced documentation for reproducibility and ease-of-access, ensuring smooth and efficient workflows.

### DataHub Portal

- Made contributions to the DataHub Portal, a .NET Blazor project, gaining hands-on experience in C# and .NET development through on-the-job experience.
- Demonstrated a self-starter mentality with a rapid learning curve, taking initiative and delivering results.

Summer 2021 **Cyber Security Intern**, *Royal Canadian Mounted Police – Div C*, Montreal, QC Canada, Internship

Winter 2021

### Python Project

- Developed a Python project utilizing Docker for efficient and scalable deployment.
- Interfaced with various Rest APIs and custom developed Rest API wrapper, demonstrating expertise in API integration.
- Additional details available upon request, showcasing a strong understanding of confidentiality and security protocols.

Fall 2020 **QA Software Testing Intern**, *Nuance*, Montreal, QC Canada, Internship

### Confluence-qTest Integration

- Developed a Python interface for qTest REST API to retrieve test run data for all Analytics projects, demonstrating expertise in API integration.
- Utilized Confluence API to upload collected data to a central page, effectively centralizing application data in Confluence pages for improved collaboration and visibility.

### JFrog Xray Security Violations Automation

- Created a series of Gitlab CI/CD templates to automate the process of uploading Xray violation data as a Jira ticket within the Gitlab CI/CD pipeline, improving security incident response time.
- Made contributions to the Python Xray Client Project, simplifying the developer workflow and enhancing team productivity.

Summer 2019 **Software Intern**, *Dorel Home Products*, Montreal, QC Canada, Internship

#### **Item Replenishment Flagger**

- Developed a Python-based tool for the Replacement Parts Department to automate the process of determining which items needed to be restocked, reducing labor hours from several days to a few minutes.
- The tool utilized automated forecasting algorithms to determine the optimal replenishment quantities for thousands of stock items, improving inventory management efficiency.

#### **Web Scraper**

- Created an Octoparse project to scrape Dorel's posted products on Wayfair's website, collecting product listings and customer review data.
- This allowed for more accurate and complete data for market research and analysis, replacing unreliable third-party data.

#### **Data Management Project**

- Implemented partial automation of keyboard inputs using AutoHotKey to streamline the process of mass data cleansing for thousands of obsolete and discontinued items.
- Contributed to the development of pricing and profitability strategies by increasing the reliability and accuracy of sales data for active items, enabling more informed decision-making.

## Education

2019–2023 **Bachelor of Engineering – Computer Software Engineering Co-op**, *Concordia University*, Montreal, QC Canada

- Member of the Institute for Co-operative Education, gaining hands-on experience through multiple co-op work terms.
- Completed relevant courses in Information Systems Security, Data Communications & Computer Network, Databases, among others.

2017–2019 **DEC in Pure and Applied Science**, *Marianopolis College*, Montreal, QC Canada

## Projects

2023 **Capstone Software Engineering Design Project: ChessBoom**

- Played a pivotal role in a year-long project to build a .NET Application using the Avalonia Framework, a modern UI toolkit for cross-platform applications.
- Made critical backend and frontend design decisions, and successfully deployed the application with Docker while following best design practices.

2018 **Mari hacks**, *Marianopolis College*, Montreal, QC Canada

- 1<sup>st</sup> place winner in a 24-hour hackathon project entitled "TL;DL" (Too Long; Didn't Listen).
- Developed a speech-to-text summarizer application using Python and PyQt5.
- Led the team in creating a modified machine learning model that utilized external libraries to transcribe audio files or live recordings and generate summaries.

## Interests

### Passions

Homelab: Setting up and configuring home-based computer systems for learning and experimentation.  
Chess: Enthusiastic player and learner of the strategic game of chess.  
Scripting: Developing scripts and automations for various tasks, with projects available on GitHub and my Portfolio.  
Computer Hardware: Deep interest and knowledge in computer hardware components and technologies.

### Travel

Passionate about exploring diverse cultures and experiencing new destinations through travel:  
Japan, Thailand, Italy, Spain, Croatia, France, Canada, United States, Caribbean, Mexico

### Sports

Rugby, Soccer, Skiing, Golf