MATEUS M. FURQUIM MENDONÇA

Machine Learning and Software Engineer

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PROFESSIONAL SUMMARY

Highly skilled software engineer with over 9 years of experience and a diverse background. Committed to team growth and innovation through effective mentoring and collaboration. Strong problem-solving skills with a passion for delivering high-quality software solutions.

WORK EXPERIENCE

Back-end Developer
DevGrid

Jan 2021 – Present
United Kingdom (Remote)

Managed several microservices that employ machine learning algorithms to estimate house appliances' energy consumption.

> Achieved up to 59% improvement in **Python** write operations on **Cassandra** through the safe utilization of unlogged batches.
> Iteratively improved domain models following **Domain Driven Design** approach, increasing efficiency in delivering new features.

Embedded Software Developer
Autotrac

Nov 2019 – Aug 2020
Brasília, DF - Brazil

Maintained security and logistic features of an embedded system for a customized hardware and Linux kernel.

> Employed dependency injection and other **SOLID principles** to enhance **C++** code quality and maintainability.
> Implemented **monitoring** solutions to gather real-time performance data, ensuring optimal system efficiency and responsiveness.

Ligature A merged glyph.
Kerning A spacing adjustment between two adjacent letters.

In this report, we will explore the various factors that influence fluid dynamics in glaciers and how they contribute to the formation and behaviour of these natural structures.

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Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magnam aliquam quaerat.

Sub Heading

1. The climate
   - Temperature
   - Precipitation
2. The topography
3. The geology

The equation $Q = \rho A v + C$ defines the glacial flow rate.

The flow rate of a glacier is defined by the following equation:

$$Q = \rho A v + C$$

The flow rate of a glacier is given by the following equation:

$$Q = \rho A v + \text{time offset}$$

Total displaced soil by glacial flow:

$$7.32\beta + \sum_{i=0}^{\nabla} \frac{Q_i}{2}$$

Total displaced soil by glacial flow:

$$7.32\beta + \sum_{i=0}^{\nabla} \frac{Q_i(a_i - \varepsilon)}{2}$$

$$v := \begin{pmatrix} x_1 \\ x_2 \\ x_3 \end{pmatrix}$$

$$a \rightsquigarrow b$$

Number: 3

$-x$ is the opposite of x

let name = [**Typst!**]

Mateus M. Furquim Mendonça

parbreak()

strong *emphasis* `print(1)` **https://**typst**.app/**

Heading

- item

1. item

Term description

x^2
'single' or "double" , —

x^2

Tweet at us #ad ,

x^2

$$x^2$$

$x_1 \ x^2 \ 1 + \frac{a+b}{5} \ \frac{x}{y}$$

Heading

parbreak()

strong *emphasis* `print(1)` **https://**typst**.app/**