**Romel Aldair Vázquez Molina**

Date of Birth: 08/20/2000

Version: Dec 2023

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| EDUCATION |

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| **Instituto Tecnológico de Estudios Superiores de Monterrey Campus Monterrey (ITESM) – Nuevo León, México** |  | January 2019-June 2024(Expected Graduation Date) |
| *“Bachelor of Software Engineering – Minor in Finance”*  Average grade: 98/100 (3.9 GPA)  **Asociación Mexicana de Instituciones Bursátiles (AMIB) – Nuevo León, México**  “*Investment Strategy Advisor*” | | November 2023 |

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| **Algebra University College – Zagreb, Croatia**  *“Artificial Intelligence Course”* |  |  |  |

July 2021

**Universität Wien – Vienna, Austria** July 2021

*“Conferences about experimentation and training for software engineering activities”*

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| WORK EXPERIENCE |

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| **Kumon** |  | Santiago de Querétaro, Querétaro, México |
| *Math Coach* |  | September 2018 – January 2019 |
| * Encouraged and taught children and teenagers, to develop their skills in mathematics. * Taught them how to solve difficult problems, by dividing into simple tasks. | | |

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| RECENT PROJECTS |

Github link: [*https://github.com/RomelVazquez2008/RomelVazquezProjects*](https://github.com/RomelVazquez2008/RomelVazquezProjects)

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| **Alibaba Investment Tesis (Investment Club)** |  | 2023 |

*I designed a Structured Note that uses treasury bonds (debt instruments), and call options (derivative instruments), for the stock firm Alibaba.*

* As an integrative project I use my knowledge of derivatives, fixed rent and variable rent.
* The initial investment was $1,000,000 and I created a strategy of 108 days where the best case is earning $1,060,094 (+6.01%) and at the worst you end with the same initial investment capital.
* All the data was extracted from Refinitiv Workspace and implemented in Excel, also I created a presentation in Canvas.

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| **Valuation Multiples (Firms Valuation)** |  | 2023 |

*I used some quantitative methods to describe the possible value or risk of different enterprises.*

* I recreated the Altman Z-Score and the EBITDA multiple methods.
* I analyzed Arca Continental and SalesForce.
* All the data was extracted from Yahoo Finance and implemented in Excel.

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| **Software Development for Arca Continental – University Project (Software Construction and Decision Making)** |  | 2022 |  |

*In a team of five members, we develop a dashboard web application for the supervisors training in the Company and a videogame as well in order to apply all the concepts learned around the course.*

* Implemented in React (web development), AWS (database), C# and Unity (videogame).
* I designed some assets for the videogame and coded the interaction between then in addition to the database.
* I documented the requirements, design and test case documentation.

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| **Lights Traffic Optimization – University Project (Multi-agent systems)** |  | 2021 |

*In a team of four members, we develop a simulation of the implementation of smart lights traffic in one corner of our streets, to reduce the vehicular traffic at some hours.*

* Implemented in Python, C# and Unity (400 code lines in Python and 300 code lines in C#)
* I designed the car and light traffic agents with the agentPy library.

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| SKILLS |

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| **PROGRAMMING LANGUAGES** | **SOFTWARES** |
| Python, C, C++ (2 years of experience)  Matlab, R, Arduino, MIT app inventor, SQL (1 year of experience)  Scheme, Unity (2 months of experience) | Excel, Office, PowerPoint, Canva (3 years of experience)  SalesForce, Metatrader 5, Capital IQ, Refinitiv (1 year of experience) |
| **AWARDS**  I participated in “Olympiad Science Contest” in Physics and Chemistry categories - 2017  I won 1st place “High School app development” competition. - 2017  I obtained an 80% scholarship from Tecnológico de Monterrey.  I won 1st place in 10,000m “Queretaro municipal athletics competition” Juvenile Category – 2019  My teammates and I won 1st place in “Grand Spirit COED Puerto Vallarta” - 2022 | **LANGUAGES**  Spanish – Native language  English – B2 level /DET score 120 (2023) |

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| INTERESTS |

I practiced athletics, gymnastics and cheerleading for my university team.

I like to invest in the stock market and to read financial news.

I enjoy learning topics about physical and mental health care.