

# ALI ZINSAZ

Python Developer

📍 Montreal, Canada

✉ azinsaz@gmail.com

🌐 Ali Zinsaz

🌐 azinsaz.github.io

🌐 github.com/azinsaz

🐦 @azinsaz

## WHO AM I?

I'm a physics graduate with background in engineering, currently employed as QA associate in *Spark Microsystems*. Launched an algorithmic trading platform as a side job, using technical analysis and machine learning, to forecast the financial markets.



## EXPERIENCE

2021 – Present  
full time

### QA Associate

Spark Microsystems

Test associate and automation expert. In charge of testing both hardware and software in an Ultra Wide Band (UWB) chip-set company. Tasks include, QA, test automation, test pipeline, CI  
Python / CI/CD / Pytest

2020 – Present

### Full stack developer

self employed

Launched an algorithmic trading platform, using Technical analysis to forecast financial markets and fundamental analysis with Natural Language Processing (NLP) to analyse the sentiment from news as well the social media. Utilizing machine learning models to create and optimize portfolios. Dashboard and front end development mostly for visualization purposes  
Python / SQL / pandas / plotly / Dash / data engineering / data visualization / Linux / Bash / CLI / Git

2020 – 2021  
part time

### Research Assistant

Concordia University

Research on a simulation project within the field of quantum photonics and solid state physics, using python to simulate the propagation of electromagnetic fields in micro meter size ring resonators  
Python / Electromagnetism / Quantum Physics / Simulation / Numerical Analysis

## EDUCATION

2019 – 2021

### Bachelor of Science in Physics

Montreal, Canada

Concordia University  
GPA 91%

2011 – 2017

### Bachelor of Science in Material Science and Engineering

Tehran, Iran

University of Tehran

## HONOURS & AWARDS

- Granted Concordia Undergraduate Student Research Award.
- Placed in faculty of arts and science scholar's dean list.
- Placed within first 100 in Iranian Physics Olympiad.

## LANGUAGES

English - proficient  
Farsi - native  
French - basic

## HOBBIES

I love doing outdoor activities, learning and traveling.  
Passionate about science and philosophy