

Parian Hatami

Tehran, Tehran, Iran | parianhatami@gmail.com | +989366061560 | [Parian Hatami](#) | [LinkedIn](#)

Summary

Elevator Pitch is one of the impactful methods. If I want to benefit this methodology, so I introduce myself as following:

"This is Parian, 25-years-old from Tehran, Iran, BSc. in Mathematics & current MSc. Student in applied math. There's no study gap in my academic background so I intend to keep this feature for my next academic destination. If I intend to point to 3 highlights of my background, it would be Math Olympiad 2020's ranks, employment for a Chicagoan EdTech Startup & finally, having small educational & practical endeavors in different areas which helped me both to be more capable for interdisciplinary fields & also having more opportunities to have a job which helped me during recent years to continue studying."

Education



University of Tehran

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1st national university

Acceptance rate: 2%

Sep 2015 – Sep 2020, Bachelor degree

Major: Mathematics

School: Mathematics, Statistics & Computer Science



Amirkabir University of Technology (Tehran Polytechnic)

1st national university in math

Acceptance rate: 1%

Nov 2020 – Present (Grad expectation: Jun-July 2022)

Major: Applied Mathematics: Cryptography & Coding theory orientation

School: Mathematics & Computer Science

Some achievements

- I received an ESOL certification at the age of 17
 - First 2 job positions were in *math scientific editing* field for high school math exercise books when I was 19 to 20-years-old
 - MATLAB programming TA position in 21-years-old, at physics school in University of Tehran
 - Some MATLAB & math small projects from different fields (Civil engineering, aerospace engineering, Mechanical engineering)
 - Being a PT remote employee for a Chicagoan EdTech startup & mentor at New York Academy of Sciences. Link to: [project1](#)
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Highlights of courses or awards

- Prof. Gilbert Strang, [MIT OCW](#), I spent it at the same time I had this **course** officially in University of Tehran, as Prof. Siamak Yasami advised us on Fall-Winter 2016, it helped me a lot for both MSc. national entrance exam & Math Olympiad 2020, without any reviewing!
 - Iran's Math Olympiad 2020 for bachelor degree students, **ranked as national's 15th place**, as the only awarded math student from University of Tehran (1st national university) in 2020's competition, maybe the first female from University of Tehran as Olympiad winner in Math national Olympiad.
 - I'm benefiting from free education (highest funded award), due to my ranks at BSc. & MSc. national university entrance exams, in 2015 for BSc. at 2504th / 180k place & in 2020 for MSc. at 60th / 10k place.
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Other academic courses

May be considered as “informal minor” or “optional courses”. It’s clear that I’m not proficient at any of them, but they’re potential fields for any multi/inter disciplinary field(s) of study/research.

Computer Science

MATLAB, C++

Elementary Familiarity
with: QT, Python, HTML,
CSS, JS, Java, FORTRAN

Chemistry

General Chemistry, 2 courses:
Gilan University (point: A⁺)
[MIT OCW](#)

Chemistry Laboratory:
3 different practical course at
University of Tehran (point: B⁺)

Paper & research familiarity:

- 1) “Mathematical Sociology” at BSc., as a 2-credit university course (point: B⁺)
- 2) Some other ones for “Mathematical Analysis” paper studying: holding scientific class presentations
- 3) Current: [This paper](#) which is [Crypto & finance](#)

Writing samples:

- For a small mechanical engineering project (car) which needed solving a mathematical problem
- For current “crypto & finance” paper research works (initial steps of professional research & paper publishing)

More personal Info:

My Interests:

I prefer multi/inter disciplinary fields in general. These are my other priorities in mathematics:

- 1) Linear Algebra
- 2) Algebra
- 3) Mathematical modeling
- 4) Mathematical programming
- 5) Number Theory
- 6) Graph theory
- 7) Optimization

My Job Skills:

It’s a brief of my resume. It may be insightful for choosing my research topic or even it can be beneficial in order to know my potential for any possible University/School programs like Marketing, commercializing, etc.

Marketing: B2B, referral, email, influencer.

Business strategy designing:
business model canvas, product & customer canvas, blue ocean strategy canvas, marketing plan, ...
Some EdTech research & works

My hobbies:

Some professors advised me to add some about leisure time, since how a student refreshes themselves can show some facts about their productivity.

For board games, I like backgammon & others which both depend on strategy & chance. For outdoor activities, I prefer daily walk, short trips in the nature & also, swimming is my favorite. I think if I’ve access to a swimming pool or beach, I’ll have great university days.

My proficiency in mathematical fields:

Proficiency in different mathematical fields (mostly my bachelor degree official courses) in a decreasing order
(They have been listed relatively):

High proficiency:

Linear Algebra

Algebra

Mathematical programming (associate to mid-level of proficiency)

Combinatorics

Probability

Mathematical Modeling

Mid proficiency:

Graph theory

Number theory

Dynamical systems

Low proficiency:

Numerical Analysis

Mathematical analysis

Optimization

Differential equations

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