



# The Common Denominator

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A 40-YEAR BIRD'S-EYE VIEW OF A VARIETY OF MATHEMATICS, WORK AND APPLICATIONS.

## Question

What do

- A Math Education
- Scientific Software Start-Up (ISE AG, CH, USA)
- Semiconductor Manufacturer (NXP)
- Major Banks (ABN Amro and ING)
- Big Four Consulting (Deloitte and EY)
- AI Transformation Consulting Scale-Up (ADC Consulting)
- Sports and Community (Nereus, Pinoke, TopQuants, PWN, Math4NL)

Have in common?



## My Answer

It's a mindset ... I'll explain

Next

- Foundation
- Engineering
- Consulting
- Network
- Toolkit



## Foundation

- UvA (MsC)
- UU (PhD)
- Master Thesis Research (ABN Amro, Deloitte, EY)
- Horizon 2020 (Kees Oosterlee)
  
- Develop abstract thinking



## Engineering

- SKF (Ball Bearings)
- ISE AG (Spin-Off ETH, Scientific Software)
- NXP (Semiconductor Manufacturing)
  
- Appreciate real-world technicalities



## Consulting

- QC & OR (ABN Amro)
  - Financial Risk (Deloitte, EY)
  - Change Management (Establishing Model Risk Management at ING)
  - AI Transformation (ADC Consulting)
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- Always take a step back
  - It's not Physics



## Network

- Sports (Nereus, Pinoke)
- Professional (TopQuants, PWN, Math4NL, Universities)
- Foster Teamwork and Advocacy



## Toolkit

- Hardware
  - Software
  - News
  - Curiosity
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- Continuous development



## Conclusion

The common denominator is not

- The industry,
- The country
- The size of the paycheck

It is the mindset to tackle complex, real-world problems using solid mathematical principles, leveraging teamwork, an eye for detail, communication skills and a never-ending curiosity.



## And Remember

- Math is applicable everywhere
- Translate solutions into business value
- When faced with chaos, find the structure
- Stay curious, connect and always have fun

Thank you





where it all **adds up**

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