

Profile

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The full curriculum vitae is also available here.

Education

Huygens Lyceum Eindhoven | *Natuur en Techniek* 2012-2018

Completed the final exam Atheneum in the program Nature & Technology with favourable consequence. Graduated in the *Dutch, English* and *French Language and Literature, Mathematics (B & D), Physics, Chemistry* and *Management and Organisation (MO)*.

Eindhoven University Of Technology | *BSc Mechanical Engineering* 2018-2021

Completed the propaedeutic phase in the first academic year (2018-2019). Obtained Bachelors degree *with great appreciation*, average grade of 7.6/10. Bachelors End Project done in the *Dynamics and Control* group, see *Projects*.

Eindhoven University Of Technology | *MSc Mechanical Engineering at the Dynamics and Control Group (Special track Manufacturing Systems Engineering)* 2021-present

Average as of 31/05/2022: 8.3/10. Curriculum consists of courses in

- Acoustics: *vibration isolation, structure-borne sound, sound radiation, propagation and sound imaging*;

Skills

Engineering

- **Dynamics** *Classic, Multibody, Switching, Structural, Nonlinear, Network, Consensus*.
- **Control** *Linear, Nonlinear, MPC*.

- **Acoustics** *Sound Radiation and Propagation, Structure-borne sound, Vibration Isolation.*
- **Manufacturing Networks** *Modeling of Manufacturing Processes, Discrete-Event Models, Queuing, Dynamical Models (Continuous and Discrete).*
- **Mathematics** *Calculus, Linear Algebra, ODE's, PDE's.*
- **Other** *Data Analytics, Machine Learning, Neural Networks, Design Structure Matrix (DSM) Modeling.*

Software and Hardware

- **Numerical Modeling** *MATLAB, Simulink, GNU Octave, Python.*
- **CAD, CAE** *Siemens NX12, Simcenter, Marc/Mentat.*
- **Typesetting** *Markdown, RMarkdown, LaTeX2e, LuaLaTeX. * ***
- *Simulink*
- *Python*
- *Siemens NX 12*
- *Markdown, R Markdown*
- *PGF/TikZ*
- *GNU+Linux*
- *Bash*
- *Mentat & Marc*

Soft Skills

- (Inter-Disciplinary) Teamwork
- Time Management
- Critical Thinking
- Working independently and proactively with high self-discipline

Projects

Simulating Skyscrapers during an earthquake with a pendulum. Physical model verified with a numerical model in MATLAB;*

Consulted Vanderlande in business model innovation for their new AGV Fleet technology for airport logistics;*

*Bachelor End Project: Developing a Discrete-Event Simulation toolbox in Python**
as alternative to the TU/e's current software package χ^3 . Supervisor: A.A.J. Lefeber. Graded 9/10; 10/10 for my self-reliance and professional behavior. Paper publicly available [here](#).

Work Experience

Shop Assistant at Kruidvat*2014-2017*

Worked as both a shop assistant as well as a stock clerk.

Employee at Washin7 Eindhoven*2018-Present*

Work as a car wash employee with many functions, like cashier, guiding cars in the automatic car wash, operating the car wash, damage reporting, cleaning and recently leading a team with full responsibility.

Volunteer at Huygens Lyceum Eindhoven*2019, 2022*

Volunteered at the "*tafeltjesavond*" event twice as alumni, where I helped high-school students by making their choice of follow-up education.

Hobbies

- I collect HIFI audio gear, as well as music in different formats like Records, Cassettes and High Bitrate FLAC's. I'm always in search to optimise any aspect of my system with the knowledge I have;
- Since I'm an advocate for Free Open Source Software, I often tinker around with GNU+Linux to optimise my workflow and learn new things.