NATHAN SENNESAEL

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EDUCATION
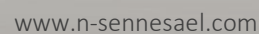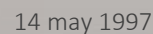
M.S. in Biomedical Engineering | UGent, EPFL, VUB
20 September 2018 - 10 September 2020

- Minor: Radiation Physics
- Thesis: Deep Learning for Computer Aided Diagnosis of Lung Nodules in Low Dose CT scans
- Magna Cum Laude - *with great praise*

B.S. in Engineering Physics | UGent
20 September 2015 - 6 Juli 2018

- Bachelor Project: Laser Beam Steering using Liquid Crystals and Simulation in MATLAB

Secondary Diploma | EDUGO Campus Glorieux
September 2013 - Juli 2015

- Final project: Electromagnetic Radiation
- Graduation Awards: Highest Total Grades in School, Mathematics Award - *great distinction*

EXPERIENCES

Intern/Assistant in Vascular Surgery Practice |
Dr. Vermaercke Vaatchirurgie BVBA

- Had the opportunity to learn more about Angiology and Vascular Pathology
- Gained practical experience with: Laser Treatment, Doppler Ultrasound, Local Anesthetics, ...
- Set up a pipeline for storage of Ultrasound video data

Deep Learning Research Project | Laboratory
of the Physics of Biological Systems, EPFL

- Deep Learning for Segmentation of C. Elegans Neurons from 3D Microscopy
- Gained experience within a research lab applying advanced Machine Learning in a practical setting

High School Teaching | EDUGO Campus Glorieux

- Taught several math classes under supervision of my former math teacher
- Improved on: public speaking, preparing long lectures, ability to transfer knowledge

Other: I also had various summer jobs:
- stocking ice cream truck warehouse
- serving as a waiter

These taught me valuable lessons about work ethic

LANGUAGES

- Dutch   →   Native language
- English   →   Advanced
- French   →   Intermediate
- German   →   Beginner

COMPUTER SKILLS

- Python (pandas, TensorFlow, scikit learn, ..)
- MALTLAB
- CAD: SolidWorks
- Java
- LaTeX & Microsoft Office
- HTLM & CSS
- Photo, Video & Sound editting
- Computer Hardware

BEST COURSES

- Machine Learning
- Statistics & Probability
- Statistical Physics
- Mathematical Modelling
- Applied Data Analysis
- Electrical Circuits & Electronics

PERSONALITY

- Optimistic, Flexible, High Tempered
- Driven, Workaholic
- Rational, Analytical