

# NAIM MANSOUR

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## PERSONAL

Place & date of birth: Wilrijk (Belgium), July 31<sup>st</sup> 1989  
Gender & nationality: Male, Belgian  
LinkedIn: [www.linkedin.com/in/naimm](http://www.linkedin.com/in/naimm)  
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## WHO I AM

I am a curious person, who is fascinated by the world and the events that unfold in it. I enjoy learning new things and figure out where they fit into my view of reality, which is ever-changing. I pay close attention to details when I believe they are essential to the larger context. I am both a scientist and a lifelong musician, and I feel that this combination has allowed me to approach life with a dedicated and rigorous attitude, while appreciating the fundamental value of creativity, exploration and open-mindedness.

## CAREER

**MAY 2021 – PRESENT** [WS Audiology](#) Lyngby (Denmark)  
**SPECIALIST, AUDIOLOGICAL PERFORMANCE – SOUND & FITTING DEPARTMENT**

Working jointly with the R&D, brand and marketing departments, I interpret specifics of technical hearing device features for use in communication materials. Additionally, I oversee the development of a cutting-edge, spatial audio laboratory.

- Interdisciplinary collaborations with engineering experts, brand managers, visual designers, and more.
- Development of the Spatial Audio Lab, a 45-loudspeaker spherical Ambisonic loudspeaker array used for hearing device testing and perceptual audio evaluation.

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**DEC. 2022 – FEB. 2023** [www.naimandtheworld.com](http://www.naimandtheworld.com) Global  
**SECOND YEAR-LONG JOURNEY AROUND THE WORLD**

A 15-month-long solo journey across four continents, carrying my violin, which taught me a lot about myself and my relation to others in the infinitely diverse world all around.

- Participation in a wide range of music projects, endeavors of mindful intent, and explorations for personal growth.

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**DEC. 2017 – MAR. 2021** [Danmarks Tekniske Universitet](#) Kongens Lyngby (Denmark)  
**PHD RESEARCHER**

Three-year long research project titled “Assessing Hearing Device Benefit using Virtual Sound Environments”.

- Investigating and developing novel testing paradigms for hearing aid algorithms using virtual sound environments that focus on increasing ecological validity and experimental realism, with a wide range of potential applications.
- Published research output:
  - *A method for realistic, conversational signal-to-noise ratio estimation (JASA, 2019)*
  - *Speech intelligibility in a realistic virtual sound environment (JASA, 2019)*
  - *The effect of hearing aid dynamic range compression on speech intelligibility in a realistic VSE (JASA, 2019)*
  - *Guided ecological momentary assessment in real and virtual sound environments (JASA, 2019)*

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**SEPT. 2016 – AUG. 2017** [www.naimandtheworld.com](http://www.naimandtheworld.com) Global  
**YEAR-LONG JOURNEY AROUND THE WORLD**

An 11-month solo journey I traveled on my own through 18 countries around the globe. It was a journey of exceptional scale, during which I was exposed to a massively varied collection of places over four continents.

- Countless interactions with vastly different people, across continents, cultures and lifestyles
- Making judgment calls and practical decisions on-the-fly, figuring out complex logistical and continuity problems

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**SEPT. 2013 – SEPT. 2016** [Nokia \(formerly Alcatel-Lucent\)](#) Antwerp (Belgium)  
**QUALITY ASSURANCE ENGINEER – IP ROUTING R&D DEPARTMENT**

Design, validation and testing of novel software features for the 7x50 Service Router OS platform. Employing deep understanding of networking protocols and the TCP/IP stack to implement robust and highly detailed test scripts.

- Testing of Enhanced Subscriber Management features, as part of the ALU TPSDA framework
- Researching effects of highly specialized feature combinations on the routing platform behavior
- Scripted validation (TCL & Python) of interactions with the TCP/IP and OSI protocol suites

♦ All cursive text links digitally to an online reference

## EDUCATION

2007 – 2012

Catholic University of Leuven

Great distinction (82%)

### MASTER OF SCIENCE IN ENGINEERING: ELECTRONICS

- Specialization: Multimedia & Signal Processing
- Additional electives: Avionics & telecommunication, Organizational management, First Aid (theory & practice)
- Thesis: Perceptual declipping of audio signals through Compressed Sensing: algorithm design and evaluation (89%)  
- *IEEE Transactions (Vol. 21, Issue 12)* - Declipping of Audio Signals Using Perceptual Compressed Sensing (75 cit.)

2010 – 2011

Danmarks Tekniske Universitet

ECTS: A

### ERASMUS - 1ST MASTER YEAR: ELECTRICAL ENGINEERING

- Selection of courses: Computer graphics, Non-linear signal processing, Artificial Intelligence
- Various: Participation in extracurricular engineering activities, as part of the Polyteknisk Forening

2002 – 2007

H. Pius-X Institute

Great distinction

### HIGH SCHOOL – SPECIALIZATION IN LATIN-MATHS

- Extra-curricular courses including additional mathematics and ancient Greek

## SKILLS

### LANGUAGE

**Native:** Dutch, English

**Very good:** French

**Good:** Swedish

**Elementary:** Danish, Spanish, German

### TECHNICAL

- OS & Audio: Windows, Linux (Ubuntu, CentOS), Android, iOS, macOS, Reaper, TotalFX, Audacity, Sibelius
- Scientific & web: Matlab, R, SPSS, LaTeX, GIT, SVN, HTML, CSS, SQL, PHP
- Programming: Java, Python (including PyTorch), C++, TCL, Bash, Visual Basic
- Design: Adobe Acrobat, Photoshop, Dreamweaver, Flash, Premiere, Illustrator, Inkscape

### ADDITIONAL DIPLOMAS

- Driving: License Category B
- Music: Violin/piano higher academic degree, bagpipes
- Sports: Sailing one-man boats – laser class

## ACTIVITIES

### MUSIC ENSEMBLES & SYMPHONY ORCHESTRAS

- *Flemish Symphony Orchestra*: First violinist, 3-year membership with on average 10 concerts a year
- *Copenhagen Student Symphony Orchestra*: First violinist, 1 year membership with 5 concerts
- *Wroclaw Conservatory Symphony Orchestra*: First violinist, guest project participation
- *University Symphony Orchestra Leuven*: First violinist, 5-year membership with on average 12 concerts a year
- *J&M Orchestra Antwerp*: First violinist, 6-year membership with on average 15 concerts a year
- International Symphony Orchestra projects: First violinist, 20 concerts in Far-East Asia over the course of 4 years
- Numerous participations in *Ethno* folk music exchanges around the world

### VOLUNTARY WORK

- *Béla Nepali* - supporting the education of young Nepalese classical musicians: Webmaster and violin teacher
- *Lost & Found Cloud Hostel in Panama*: Volunteering work to provide a great visitor experience for hostel guests
- *Pai Circus Hostel* in Thailand: Teaching juggling and other circus skills to visitors and hostel guests
- Various engagements working as a musician or general support at music festivals and camps
- Private tutor for science, maths and violin

### HOBBIES

- Sports: Running, tennis, chess (including tournaments), juggling, archery, sailing, Brazilian jiu-jitsu
- (Web)design: Design of artwork, web design (see also [www.naim-mansour.be](http://www.naim-mansour.be))
- Music: Violin, bagpipes, piano (classical & folk)
- Technical: Electronics hobby projects, audio mixing