

NAIM MANSOUR

SCHARLINGSVEJ 14/2 TV, 2500 VALBY (DENMARK)
INFO@NAIM-MANSOUR.BE, +45 60 56 66 57



PERSONAL

Place & date of birth: Wilrijk, July 31st 1989
Gender & nationality: Male, Belgian
LinkedIn: www.linkedin.com/in/naimm ♦
Web: www.naim-mansour.be & www.naimandtheworld.com

WHO I AM

I am an electrical engineer specialized in the fields of multimedia and signal processing. I hold a PhD degree from the Technical University of Denmark on the topic of virtual sound environment applications for the evaluation of human hearing and hearing devices. I'm also a trained classical violinist with a tremendous interest in music and sound as a form of artistic expression. Beyond that, I'm a curious person with a wide range of interests, always eager to learn and expand my outlook.

WORK & EXPERIENCE

DEC. 2021 – NOW www.naimandtheworld.com Global

SECOND YEAR-LONG JOURNEY AROUND THE WORLD

I am currently traveling around the world for (at least) another year, and I am open to any relevant, part-time or freelance, remote-working opportunities.

MAY. 2021 – DEC. 2021 WSAudiology Lyngø (Denmark)

SPECIALIST, AUDIOLOGICAL PERFORMANCE – SOUND & FITTING DEPARTMENT

In this project-based role, I implemented new ways to evaluate real-world hearing and hearing devices inside virtual sound environments, by making use of cutting-edge loudspeaker array technology.

- Software and hardware implementation of a 45-loudspeaker, Ambisonic spatial audio rendering system.
- Interdisciplinary collaborations with technical experts, spatial audio recording artists, acoustic and visual designers.

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”.

- Investigate and develop novel testing paradigms for hearing aid algorithms using virtual sound environments that focus on increasing ecological validity and experimental realism.
- Published journal 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)

SEPT. 2016 – AUG. 2017 www.naimandtheworld.com Global

YEAR-LONG JOURNEY AROUND THE WORLD

Over the course of 11 months I traveled on my own through 18 countries around the globe. It was a journey of exceptional scale, and it taught me a lot about myself and the world around me.

- 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.

SEPT. 2013 – SEPT. 2016 Nokia 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.

SEPT. 2008 – JUL. 2013 Independent Leuven (Belgium)

PRIVATE TUTOR SCIENCE, MATHS & VIOLIN

Teaching science, maths and music topics to high school & university students. Both in private context and as part of a university-organized support group.

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

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 SKILLS

Native: Dutch, English

Very good: French

Good: Swedish

Basic: Danish, Spanish, German

IT SKILLS

- OS & Audio: Windows, Linux (Ubuntu, CentOS), Android, macOS, Reaper, TotalFX, Audacity, Sibelius
- Scientific & web: Matlab, Maple, Eclipse, SPSS, LaTeX, GIT, CMS (Joomla), HTML, CSS, SQL, PHP
- Programming: Java, TCL, Python, C++, 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, PADI advanced diving license

SOCIAL & OTHER ACTIVITIES

SYMPHONY ORCHESTRAS & ENSEMBLES

- *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

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
- Various engagements working as a musician or general support at music festivals and camps

OTHER ACTIVITIES

- DTU BEST Engineering competition
- Chess club membership & tournaments

HOBBIES

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