CV – Nelson Mooren, M.Sc.

Amsterdam, the Netherlands

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Experience

2017-present **Jr. Software Developer**
InTraffic, Nieuwegein

As a software developer my main focus is on developing and implementing new functionality for one of the largest specialist software projects in the Netherlands. Additionally, I am involved in streamlining the development process using Git workflows.

2017-present **TalentWings Trainee**
Procam, Amersfoort

2015-2016 **Council member, treasurer**
Faculty Student Council, Faculty of Science, University of Amsterdam

The faculty student council is the student's representative body at the faculty level, formally advising the dean and management. As member of the Faculty Student Council I held regular meetings with the dean, management and policy makers of the faculty. I researched, discussed and wrote advises on a number of topics, including: the honours programme, interdisciplinarity, diversity, and online information for the student.

As treasurer I kept track of the council's financial situation, coordinating with the university's financial managers. I performed financial planning, bookkeeping and budgeting, working with a buget of €9.000.

Training: meeting training and Belbin team roles, provided by Taqt.

2014-2015 **Board member, treasurer**
Cognito student union, *Amsterdam*

Cognito is the student union for the master's Brain & Cognitive Sciences. As board member I helped organise social and study-related activities, held regular meetings with members of the master's staff, and helped set up Cognito's website. As treasurer I kept track of the union's financial situation, performed financial planning, bookkeeping and budgeting, working with a budget of approximately €10.000.

2013-2015 **Writer and editor, newsletter committee**
Cognito student union, *Amsterdam*

The newsletter committee writes the monthly newsletter of Cognito. I have written and edited articles for the newsletter, and I was responsible for typesetting the newsletter using Adobe InDesign.

Education

2013-2017 M.Sc. in **Brain & Cognitive Sciences** (research)
Major: Cognitive Science
University of Amsterdam, *Amsterdam*
Expected to graduate per *November, 2016*

RESEARCH INTERNSHIP 1: Population receptive field responses to local contrast, Spatial Coherence and Feature Energy variation.
Supervisor: Dr. H.S. Scholte (Brain and Cognition, University of Amsterdam).
I ran an experiment to investigate population receptive field mapping in humans using 3T functional MRI. I generated visual stimuli and set up the experimental task using Matlab.

RESEARCH INTERNSHIP 2: Analysis of dancers in a silent disco.
Supervisor: Dr. J.A. Burgoyne (Music Cognition, ILLC, University of Amsterdam).
I set up a motion tracking toolbox in Python for the processing of overhead video footage of silent discos. I analysed the generated data in Python using network analysis.

2009-2013 B.Sc. in **Psychobiology**
Minor: Artificial Intelligence
University of Amsterdam, *Amsterdam*

THESIS: Weibull image statistics influence performance in rapid serial visual presentation (RSVP).
Supervisor: Dr. H.S. Scholte (Brain and Cognition, University of Amsterdam).
I designed, set up and ran a behavioral experiment, coded in Matlab. I processed and analysed the generated data, finding that variation in image statistics facilitates rapid object detection in images of natural scenes.

Additional education

Spring 2016 Online course (MOOC):
Confronting The Big Questions: Highlights of Modern Astronomy
University of Rochester, *Rochester*
https://www.coursera.org/learn/astronomy
Completed with a score of 84%

Fall 2014 Online course (MOOC):
International Politics in the Korean Peninsula I
Seoul National University, *Seoul*
https://www.edx.org/course/snux/international
Lectures in Korean with English subtitles.
Completed with a score of 71%.

Fall 2011 Online course (MOOC):
Introduction to Artificial Intelligence
Stanford University, *Stanford*
https://www.udacity.com/course/cs271
Completed with a score of 73.6%

Volunteer Experience

2016-present **Social media management** (volunteer)
Dreamcatcher foundation, *Melkhoutfontein*, South Africa

2008-present **Freelance Photographer**
Commissioned as well as non-commissioned work.
Past clients include: Humanitas, Cordaan, Vrijwilligers en Zo.

2013-2014 **Teaching assistant**
Cycling courses facilitated by Kansrijk Zuidoost, *Amsterdam*
The courses are aimed at women with a low socio-economic status.

Skills and proficiencies

Computer languages: Python, C++, Matlab, LaTeX, JavaScript, PHP.
Human languages (fluent): Dutch, English.
Human languages (basic): French, German, Korean.
Software & development: Git; Unix; OpenVMS; Adobe InDesign, Lightroom, Photoshop.