



**I am** Mihaela Elena Grigore  
Engineer, Entrepreneur and lifelong learner  
**currently in** Paris, France

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I like to do things that are new to me and which, I trust, have a positive impact on society. A former software engineer, I was drawn to the study of the human mind and graduated from a Research Master in Cognitive Science while also holding two full-time research positions at two of the Netherlands' best ranked research institutions

I like to see the impact of my work on problems that society faces, which is why I returned to the industry, this time as an entrepreneur. I co-founded two sustainable businesses that deal with production and remanufacturing of hardware equipment because I believe in turning back the e-waste tide.

Being exposed to multiple issues with education in my home country in the last few years, I decided to expand my skills into education about technology so I can bring a meaningful contribution to this field.

## **WORK EXPERIENCE**

### **Bio Sentinelle**

**mar 2020 - present** Pedagogical Engineer

Paris, France I work on the Studio Traversée project - an education initiative aimed at adolescents considered to be at risk (school dropouts, refugees). Studio Traversée offers training in Game Design. I have two main roles: I work in the pedagogical engineering team and I am also conducting a market research to inform decisions about the growth strategy for the following year.

### **Mission to Ondu**

**mar 2017 - sept 2019**

Bucharest, Romania

**Co-Founder.** Mission to Ondu is a non-profit organization whose aim is to promote the prolonged usage of consumer electronics in order to reduce waste. We organize events and workshops where we invite people to bring their broken devices and we empower them by teaching them how to diagnose and fix them, when possible.

### **PopUp Street**

**jan 2015 - dec 2015**

Bucharest, Romania

**Co-Founder.** I teamed up with two Romanian architects to create, manage and grow an online platform and community for facilitating the short term rental of commercial space (the so called pop up shops) as a means to address two problems: the underdevelopment of creative industries and the regeneration of abandoned urban space.

### **MCA**

**apr 2014 - sept 2019**

Bucharest, Romania

**Co-Founder&Managing Partner.** MCA is the automotive branch of Electric Mura. We design, manufacture and refurbish in-vehicle infotainment equipment. I am involved in company management as well as in hardware engineering.

## **Moptics**

**feb 2014 - sept 2019**  
Bucharest, Romania

**Co-Founder & Managing Partner.** Moptics is the consumer electronics Bucharest, Romania branch of Electric Mura. We supply educational institutions with remanufactured multimedia equipment, suited for their notoriously low budget.

## **Donders Institute for Brain, Cognition and Behaviour**

**sep 2012 - sep 2013**  
Nijmegen,  
the Netherlands

**Research Intern.** Cognitive Artificial Intelligence Group. I conducted research on improving auditory perception of a non-native language by means of EEG-based neurofeedback.

## **Netherlands Institute for Neuroscience**

**jan 2012 - jul 2012**  
Amsterdam, the  
Netherlands

**Research Intern.** Vision and Cognition Group. I conducted electrophysiology research on mouse primary visual cortex with the final goal of uncovering similarities between the mouse and the primate structure of the visual cortex layers.

## **Oracle Corporation**

**nov 2010 - aug 2011**  
Bucharest, Romania

**Technical Analyst.** I provided resolution to technical issues with Oracle products to company's clients in the EMEA region.

## **Radcom**

**sep 2009 - oct 2010**  
Bucharest, Romania

**Software Developer.** Designed and developed web applications, involved in all steps, from requirements gathering to training customers in using the final product.

## **Critical Software**

**mar 2008 - sept 2008**  
Coimbra, Portugal

**Software Developer.** I was part of a team developing a real time operating system (xLuna) commissioned by the International Space Agency. My task was to assess the feasibility and necessary steps for porting xLuna to a new hardware architecture.

## **Freescale Semiconductor**

**jul 2007 - dec 2007**  
Bucharest, Romania

**Junior Software Developer.** I designed and implemented software tools for verifying the correct functioning of new hardware produced by Freescale.

## **EDUCATION**

### **Centre de Recherche Interdisciplinaire (CRI), MSc**

**2019 -present**  
Paris, France

#### **MasterAIRE, Learning Sciences Track**

A program dedicated to training actors in the education field in the context of the digital transformation of society. Its curriculum is based on interdisciplinary and research-based projects

### **University of Amsterdam , MSc**

**2011 - 2013**  
Amsterdam / Nijmegen  
the Netherlands

#### **Research Master Brain and Cognitive Sciences**

Cognitive Science Track. Interdisciplinary study programme that incorporates the fields of neuroscience, neurology, psychology, behavioural economics, linguistics, logic, computation and philosophy.

### **University "Politehnica" of Bucharest, BSc**

**2003 - 2008**  
Bucharest, Romania

#### **Faculty of Automatic Control and Computer Science**

Specialization: Computer Science. Studies Physics, Mathematics, Electronics and Software Development.

## **RESEARCH RELATED ACTIVITY**

### **Scientific Publications**

**2014** M. W. Self, J. A. M. Lorteije, M. E. Grigore, C. Levelt, J. A. Heimel and P. R. Roelfsema. [Orientation-tuned surround suppression in mouse visual cortex, Journal of Neuroscience](#)

### **Conference poster presentations**

**May 2013** A. Brandmeyer, M. Sadakata, L. Spyrou, C. Hoffman, **M.E. Grigore**, J. M. McQueen, P. Desain. EarOpener: Auditory perceptual learning via decoded-ERP neurofeedback. Presented at "How cognitive neuroscience can guide therapy"

**jun 2012** **M.E. Grigore**, M. Bulath, D. Hestermann. Let me sleep! I need to remember that - Differences in emotional reactivity between healthy adults and PTSD patients after sleep. Presented at the "Emotional Memory: From Patient to Synapse" Summer School, organized by the Cognitive Science Center Amsterdam,

### **Funding**

**2011 - 2012** "Open Horizons" Scholarship offered by Dinu Patriciu Foundation, Romania

**2012** Romanian-American Foundation Scholarship, Romania

**2013** Jacob and Charlotte Lehrman Foundation Scholarship, the Netherlands

**2013** Schuurman Schimmel - van Outeren Stichting Scholarship, the Netherlands

## **OTHER ACTIVITY**

### **Training**

**may 2015** Romania Start Up" - Entrepreneurship course (one week intensive training on entrepreneurship and business planning) & Funding Competition  
Bucharest, Romania  
Organized by the Ministry of European Funds

**2015 and 2016** GPEC Summit  
Bucharest, Romania  
Three-day event, workshops and lectures on various topics related online marketing and e-commerce.

### **Volunteering**

**feb - apr 2019** Volunteer with "Horizon Lank Foundation".  
Sri Lanka  
Served as an English and IT teacher at a local public school

**2018 - 2019** Volunteer with "Pro Patrimonio Foundation"  
Bucharest, Romania  
Technology consultant for workshops in disadvantaged communities and for development of products in collaboration with craftsmen promoted by the foundation.

#### **Languages**

English proficient

French basic

Spanish basic

#### **Computer skills**

OS: Windows, Linux

database: MySQL

web server: Apache, IIS

web development: PHP, JavaScript, HTML, CSS

programming: Java, C/C++, Python

game engines: Godot, Unity

MATLAB

Statistical data analysis: SPSS, R, Python