

Kästingschäfer Marius Marten

NEUROSCIENCE RESEARCH · MACHINE LEARNING · APPLIED MICROECONOMICS

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Summary

I'm a 3th year undergraduate student currently studying at Maastricht University in Psychology majoring in Neuroscience. Planning on graduating in the summer of 2019. I'm passionate about applying my knowledge of neuroscience in the field of computer science and machine learning and advancing my knowledge of complex systems. Looking for a Master in Artificial Intelligence or System Biology afterwards.

Education

Maastricht University

Maastricht, Netherlands

B.S. IN PSYCHOLOGY AND NEUROSCIENCE - AVERAGE GRADE 7,95 (6-10)

September 2016 - June 2019

- focusing on neurobiology and cognitive neuroscience
- courses like: statistics, complex cognition, man and machine, neuroanatomy
- part of the MaRBL excellence programme
- bachelor thesis about artificial neural networks and scene recognition

Universitas Surabaya (UBAYA)

Surabaya, Indonesia

SEMESTER ABROAD - AVERAGE GRADE A (A-D)

August 2018 - January 2019

- strengthening intercultural competence
- course on computer organization and architecture
- in parallel an online course on neural networks from Toronto university

Johann Wolfgang Goethe-University

Frankfurt am Main, Germany

B.S. IN ECONOMICS - AVERAGE GRADE 1.9 (1.0-4.0)

June 2013 - September 2016

- focusing on micro- and macroeconomics
- courses like: business cycle theory and policy, labor economics, finance and inequality
- advanced knowledge in game theory, agency theory, economic modeling
- bachelor thesis based on empirical research about cooperation norms within the Public Good Game

Research Experience

EDLAB institute from Maastricht University

Maastricht, Netherlands

RESEARCH SCIENTIST

August 2018 - Mai 2019

- working on convolutional neural networks optimized for multi-modal scene recognition
- re-using a network pretrained on the places205 dataset (natural images) for clip art and sketches
- implemented in keras with tensorflow backend

Maastricht University, Faculty of Psychology and Neuroscience

Maastricht, Netherlands

RESEARCH ASSISTANT

March 2019 - Mai 2009

- working in the department for computational neuroscience/ cognitive science
- under supervision of Mario Senden
- project title to be determined

Johannes Gutenberg-University

Mainz, Germany

RESEARCH INTERN

June 2014 - August 2014

- in cooperation with the Faculty of Business and Economics at Goethe-University
- project title 'the determinants of cooperation and behavior of children in public good games'
- planning, coordination, documentation and analysis of the results during quantitative experiment about cooperation

Projects

Kaggle - LANL Earthquake Prediction

Online

FOUNDER & WRITER

February 2019 - Present

- taking part in the a challenge to forecast earthquakes hosted by Los Alamos National Laboratory
- ongoing project

Skills

Programming Python, LaTeX/Overleaf, basics in HTML
Frameworks Octave/Mathlab, Excel, SPSS, Keras, Tensorflow
Languages German, English, French

Other Activities

European School Frankfurt, PME

KINDERGARTEN TEACHER

- Working with children the between 6-12 years
- Strengthening communication skills, patience, creative skills and flexibility
- Plan, organize and lead activities

Frankfurt, Germany

June 2013-August 2015

Rent-a-Frame, Enactus

CORE MEMBER

- social entrepreneurship project for unaccompanied young refugees from Syria
- participating and organizing Art therapy with
- applying for funding, presentation of the project, accounting

Frankfurt, Germany

Jun. 2010 - PRESENT

SeeU, GbR

FOUNDER

- start-up for proximity based communication establishing.
- guiding during process of design and marketing plan.

Frankfurt, Germany

September 2013 - March 2014