

David Biertimpel

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Education

Sep/2018 — expected Sep/2020

Artificial Intelligence MSc at University of Amsterdam. Current focus lies on the theoretical aspects of Machine Learning and Reinforcement Learning, further I am interested in medical imaging. GPA: 8.2

Oct/2014 — Aug/2018

Human-Computer Interaction BSc at University of Hamburg. Strongly interdisciplinary degree, combining the fields of computer science, psychology and design. Focus on Human-Robot Interaction, Machine Learning and creating intuitive interfaces. Final GPA: 1.7 ~ 8.0

Aug/2009 — May/2012

High-school diploma at Heinrich-Hertz Schule, Hamburg.

Skills

Languages

native German speaker
proficient in English (IELTS: 7.5)

Programming

- Fluent in Python including: SciPy • OpenCV • PyTorch • Keras
- Fluent in Matlab
- Experience in: JavaScript • Java • C#
- Basic skills in Scheme

Coursework (selection)

Graduate

Computer Vision 1 & 2
Machine Learning 1 & 2 (curr. ongoing)
Reinforcement Learning (curr. ongoing)
Deep Learning (finishing in Nov/Dec 19)
Natural Language Processing 1
Brain Imaging

Undergraduate

Software Development 1, 2 (OOP)
Software Development 3 (λ)
Algorithms & Data Structures
Data Mining
Foundations of Knowledge Processing
Biopsychology
Social Psychology

Work Experience

Jun/2019 — ongoing

Research intern at the the Spinoza Centre for Neuroimaging supervised by Dr. Tomas Knapen. Analyzing fMRI data corresponding to naturalistic video sequences to understand the connectivity of brain regions in auditory and visual coordinates. [://spinozacentre.nl/](https://spinozacentre.nl/)

Nov/2017 — May/2018

Student employee at WISTS group of the Computer Science Department at the University of Hamburg. Design and implementation of an conversational agent with Keras, SciPy and SpaCy.

[:// inf.uni-hamburg.de/inst/ab/wists/home.html](https://inf.uni-hamburg.de/inst/ab/wists/home.html)

May/2015 — Oct/2015

Student employee at the Ad Operations Team at ForwardAdGroup (now BurdaForward). Design and implementation of ad templates with HTML, CSS and JavaScript. Implementation of in-house web applications. [:// burda-forward.de](https://burda-forward.de)

Jan/2014 — Mar/2014

Intern at the interactive and web design company Siteway. Contributed to the front-end design of web applications. Independently implemented websites with HTML, CSS and JavaScript. [:// siteway.de](https://siteway.de)

Bachelor's thesis

Implemented and evaluated an deictic gesture interface with the humanoid robot NICO. Worked extensively with OpenCV and SciPy and combined classical computer vision techniques with an unsupervised learning approach. Final grade 1.0 ~ 10 [:// github: d4vidbiertmpl/Bachelors-thesis](https://github.com/d4vidbiertmpl/Bachelors-thesis)

Voluntary Activities

Aug/2012 — Jul/2013

Participation in the 'weltwärts' programme of the GIZ (Gesellschaft für Internationale Zusammenarbeit GmbH), a development agency affiliated to the German government. [:// giz.de/en/](https://giz.de/en/)

Volunteer Coordinator at the NGO Grace House Community Centre and later at the British charity Globalteer both located in Siem Reap, Cambodia. Supported and supervised current short-term volunteers. Involvement in several office tasks, participation in the Globalteer Sports Program. Worked with a Cambodian youth group in the evening at Grace House. [:// gracehousecambodia.net/](https://gracehousecambodia.net/) • <https://www.globalteer.org/>