Curriculum Vitae *- most recent events at the bottom*

13th of May 1989

Birth in Jena, Germany

September 2005
to **June 2008**

German *Abitur* at the *Berufliches Gymnasium Gelnhausen*
Intensive Courses Mathematics and Computer Science
Grade: 1.1

September 2008
to **September 2011**

Bachelor of Science Studies *Cognitive Science*
University of Osnabrück
Grade: excellent (with distinction)

September 2010
to **November 2010**

Internship at the EDRL at UC Berkeley in the Kinemathics project
http://edrl.berkeley.edu/content/projects#1

Summer 2011
to **Summer 2013**

Tutor for the Neuroinformatics Group (under Gordon Pipa)
of the Institute for Cognitive Science Osnabrück

November 2011

Bachelor's Thesis
Activation Patterns in a Grid of Noise Excitable Oscillators
Synopsis: Synchrony binding is possible even in very homogeneous networks. Further any kind of activity pattern gives information about its source and can be used for binding

September 2011
to **February 2014**

Master of Science Studies (University of Osnabrück)
Grade: excellent (with distinction)

Winter 2011
to **Summer 2012**

Studyproject "Handbuch Kognitionswissenschaft" resulting in
a) the 80min promotional movie *What is Cognitive Science?*
https://www.youtube.com/watch?v=Tw3ims19L0g
b) editorial work on the handbook "Handbuch Kognitionswissenschaft", published by Achim Stephan & Sven Walter through J.B. Metzler / ISBN 978-3-476-02331-5

January 2014

Master's Thesis *Bootstrapping Information Criterion for Stochastic Models of Point Processes & The ni. Python Toolbox*
Synopsis: Using GLMs, neural interactions can be detected as increase in a models 'information', estimated as a corrected likelihood.

March 2014
to **April 2014**

Gave the Course "Decoding neural spiking activity"
for the University of Osnabrück
The course was aimed at undergraduates interested in the practical applications of statistical models for spike decoding and based on the python toolbox developed for my master thesis.

since **April 2014**

Developer of Web-geoinformationsystems (Python, Javascript/WebGL and GLSL) at GeoPlex GmbH Osnabrück http://www.geoplex.de/

Publications

Hooks and Shifts: A Dialectical Study of Mediated Discovery Dor Abrahamson, Dragan Trninic, Jode F. Gutiérrez, Jacob Huth, and Rosa G. Lee; Technology, Knowledge and Learning 16/1 (April 2011), pp. 55-85
http://www.springerlink.com/index/V2Q133367460937P.pdf

Introductory Chapter II (Informatik) in **Handbuch Kognitionswissenschaft** Editors: Achim Stephan, Sven Walter, JB Metzler, ISBN 9783476023315
https://www.metzlerverlag.de/index.php?mod=bookdetail&isbn=978-3-476-02331-5

What is Cognitive Science? - A film accompanying the *Handbuch Kognitionswissenschaft* by Simon Harst, Ngan Tram Ho Dac, Jacob Huth, Jonas Klein, Alexander Krüger, Alexander Niedrig, Johannes Merkel, Danja Porada, Laura Schmitz, Sebastian Timmer https://www.youtube.com/watch?v=Tw3ims19L0g

My bachelor's and master's thesis are available on researchgate (http://www.researchgate.net/profile/Jacob_Huth/publications). The python toolbox developed for my master thesis is available on https://github.com/jahuth/ni.