

Daniel J. Cook

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www.danjcook.com

Current Enrollment

Humboldt Universität zu Berlin,

Berlin School of Mind and Brain

MSc, Brain Sciences

10/2014—present

- Recipient of an Einstein Master Award Grant from June 2017-Nov. 2017
- Thesis topic: Functional analogues of linguistic computation in visual-spatial cognition
- Thesis supervisors: Prof. Dr. Md. Arno Villringer, Dr. Md. Mauricio Martins
- Expected completion, Sept. 2017

Current Employment

ScienceOpen, GmbH

www.scienceopen.com

Berlin, Germany

- Handling & content editor 09/2014—present
- Peer review acquisitions for journal SOResearch
- Management of email-subscriber database and emailing campaigns

Freelance Web Development

04/2017—present

Recent Projects:

- Recent project: <https://www.ohlalab.de/>

Previous Education

University of Central Florida, Orlando, FL.

09/2009—12/2013

- Postgraduate Certificate, Cognitive Science
- Advisor: Prof. Shaun Gallagher, PhD

Eckerd College, St Petersburg, FL.

01/2002—01/2007

- B.A., Philosophy (high honors), Psychology (minor)
- Advisor: Prof. Nathan Andersen, PhD

Research Internships

Mind Brain Body Institute,

01/2015—present

Humboldt Universität zu Berlin,

Berlin School of Mind and Brain Behavioral lab

- Programming experiments in Python (PsychoPy)
- Subject recruitment, scheduling, running of experiments, and data handling
- Data analysis in R, Python, SPSS
- Presentation of results at lab meetings
- Regular attendance at lab meetings

Berlin School of Mind and Brain VR Lab

08/2015–09/2015

Humboldt Universität zu Berlin,

Berlin School of Mind and Brain Behavioral labs

- Develop synchronized audio stimuli for VR environment

Fraunhofer Institute for Telecommunications, HHI

02/2016–11/2016

Image Processing & Machine Learning Group,

Berlin, Germany

- Administer EEG experiments (subject preparation, run experiments, and data handling)
- EEG data visualization in MATLAB and Python
- Image stimuli analysis in Python
- Research and compile software (w. hardware) for Brain-Computer Interface
- Create and maintain local Wikimedia for EEG Lab
- Independent exploratory project on the effect of VR Device on EEG signal quality

Computer skill

- Python (intermediate to advanced level)
 - EEG Analysis – MNE Python and wyrm
 - Brain computer interface – labstreaminglayer, wyrm, pyff
 - Data analysis, machine learning – scipy, numpy, sci-kit-learn (e.g. k-means clustering)
 - Data Visualization – matplotlib, seaborn
 - Image processing – PIL, ski-kit image
 - Web Scrapping – BeautifulSoup, requests, urllib
 - Active development in Jupyter notebooks
- R programming (intermediate to advanced level)
 - Descriptive stats and visualization
 - Linear and generalized linear models
 - Generalized linear mixed models
 - Generalized estimating equations
- MATLAB (Beginner-intermediate level)
 - Completed intro course during MSc 10/2014–02/2015
 - EEG Analysis – Berlin Brain Computer Interface
- SPSS (beginner to intermediate level)
 - Completed intro SPSS course during MSc 01/2015–02/2015
- Other skills (beginner to intermediate level)
 - Website development in PHP – WordPress
 - Website development in Ruby – Jekyll
 - HTML, CSS, JavaScript – Bootstrap, JQuery
 - Git remote repository management
 - Image and video – FFmpeg

Languages

Humboldt-Universität zu Berlin - Sprachenzentrum

10/2015–present

- German language (Currently between A2.1 – A2.2)
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References

Prof. Dr. Md. Arno
Villringer, PhD
Director,

¹ Max Planck Institute for
Human Cognitive and Brain
Sciences, Leipzig, Germany

² Berlin School of Mind and
Brain, Humboldt
Universität zu Berlin,

Mauricio Martins PhD
Postdoctoral Researcher

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