Daniel J. Cook

2 Sanderstraße / Berlin, 12047 / Germany
Cookdj0128@gmail.com
www.danjcook.com

Education

Humboldt Universität zu Berlin,
Berlin School of Mind and Brain
MSc, Brain Track   10/2014−10/2017

- Einstein Master Award
- Thesis on "Functional analogues of linguistic computation in visual-spatial cognition"
  Thesis supervisors: Prof. Dr. Md. Arno Villringer, Dr. Md. Mauricio Martins

University of Central Florida, Orlando, FL.   09/2009−12/2013
- Postgrad Certificate, Cognitive Science

Eckerd College, St Petersburg, FL.   01/2002−01/2007
- B.A., Philosophy (high honors), Psychology (minor)

Current Employment

ScienceOpen, GmBH
Berlin, Germany
- Handling & content editor   09/2014−present
- Peer review acquisitions for journal SOResearch
- Management of email-subscriber database and emailing campaigns

Freelance Technical Consultant   10/2017−present
Recent project:
- Berlin School of Mind and Brain EEG Lab hardware configuration

Freelance Web Development   04/2017−present
Recent Projects:
- https://www.ohlalab.de/

Research Internships

Mind-Brain-Body Institute,   01/2015−present
Cognitive Psychology Behavioral lab,
Berlin School of Mind and Brain
- Programming experiments in Python (PsychoPy)
- Subject recruitment, scheduling, and running behavioral experiments
- Wiki & Database development with PHP and MySQL
- Data analysis in R, Python, SPSS
- Presentation of results at lab meetings
- Regular attendance at lab meetings

Mind-Brain-Body Institute,
Virtual Reality Lab
Berlin School of Mind and Brain   08/2015 − 09/2015
- Development of audio instructions for VR experiment

Fraunhofer Institute for Telecommunications, HHI   02/2016 − 11/2016
EEG LAB, Image Processing & Machine Learning Group,
Berlin, Germany
- Project on EEG signal quality during Virtual Reality head-mounted device stimulation
- EEG experiments (e.g. subject preparation, running experiments)
- Wiki development
- Data visualization in MATLAB and Python
- Set-up hardware & software for a Brain-Computer Interface system
- Image & movie analysis in Python

Computer skill

Python (advanced)
- Data analysis, machine learning − pandas, numpy, scipy
- Data Visualization − matplotlib, seaborn
- Image processing − PIL, ski-kit image
- Web Scrapping − BeautifulSoup, requests, urllib
- GUI interface developer − Tkinter
- EEG Analysis − MNE Python and wyrm
- Brain computer interfaces − labstreaminglayer, wyrm, pyff

R programming (intermediate to advanced)
- Descriptive stats and visualization
- Generalized linear mixed models
- Generalized estimating equations

MATLAB (Intermediate)
- Completed intro course during MSc
- EEG analysis
- EEG hardware configuration

Other (beginner to intermediate)
- Git remote repository management
- Website theme development in PHP − WordPress (e.g. ohlalab.de)
- Website development in Ruby − Jekyll
- HTML, CSS, JavaScript − Bootstrap, JQuery
- Image and video − FFMPEG

Languages

- Native English Speaker
- German (level A2.1 − A2.2)

References

Stephanie Dawson, PhD
CEO, ScienceOpen Publishing + Research Network
Berlin, Germany
stephanie.dawson@scienceopen.com
+49 (0) 306-0984-90277

Mauricio Martins, Md. PhD
Berlin School of Mind and Brain, Humboldt-Universität zu Berlin
Max Planck Institute for Human Cognitive and Brain Sciences, Leipzig, Germany
diasmarm@hu-berlin.de
+49 (0) 151-1209-0828

Kathrin Ohla, PhD
Group Leader, Psychophysiology of Taste Perception Junior Research Group,
German Institute for Human Nutrition, Potsdam-Rehbruecke (DiFE),
ohla.kathrin@gmail.com
+49 (0) 332-0088-2543

Professor Arno Villringer, Md., PhD
Director, Max Planck Institute for Human Cognitive and Brain Sciences, Leipzig, Germany
Director, Berlin School of Mind and Brain, Humboldt Universität zu Berlin
villringer@cbs.mpg.de
+49 (0) 341-9940-2220