Daniel J. Cook

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www.danjcook.com

Education

Humboldt Universität zu Berlin,

Berlin School of Mind and Brain

MSc, Brain Track 10/2014—10/2017

* 2017 Einstein Master Award
* Thesis on the role of language in visual & spatial cognition

University of Central Florida, Orlando, FL. 09/2009—12/2013

* Postgraduate Certificate, Cognitive Science

Eckerd College, St Petersburg, FL. 01/2002—01/2007

* B.A., Philosophy*,* Psychology

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

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Kathrin Ohla, PhD

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Professor Arno Villringer, Md., PhD

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

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