

Daniel J. Cook

My work integrates elements of software construction, data engineering, and scientific research. I am solution oriented, with a passion for writing clean code and concise documentation. I am naturally curious, self-driven, and an independent learner.

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Germany
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EXPERIENCE

Visualix GmbH, Berlin — *DevOps Engineer*

JAN 2020 - PRESENT

Author & maintainer of server provisioning and deployment software for internal usage

Author & maintainer server fault detection and remediation software for internal usage

Prepare customer hardware with packaged images for deployment in production and test servers

Helix Cognitive Computing GmbH, Berlin — *Data Scientist*

FEB 2018 - DEC 2019

Extracted, aggregated and analyzed Java application log files using Python, Prometheus, Grafana and Google's mtail

Modeled, simulated, and analyzed a P2P network

Authored, reviewed & edited technical documentation and tech-oriented marketing documents

ScienceOpen GmbH, Berlin — *Scientific Editor*

OCT 2014 - DEC 2017

Managed over 100 peer reviews on 63 publications in the natural sciences for the journal ScienceOpen Research (ISSN: 2119-2006)

Programmed Python web-crawlers to gather data from competitor websites

Planned, implemented, and tracked sales & marketing KPIs using Google Analytic APIs

Prepared monthly analytic reports on site-traffic behavior in R & Python

Created YouTube tutorial videos for platform users

TECH STACK

Linux, Python, Bash, Golang, SQL, MongoDB, HDF5, Ansible, Terraform, Packer, Nginx, Haproxy, Prometheus, Grafana, AWS, Cloud APIs, Docker, Podman, ZMQ, TCP/IP, UDP, REST, Flask, Django, Jekyll, Java, Javascript, HTML,

AWARDS

2017 Einstein Master's thesis award from the Berlin School of Mind & Brain

PUBLICATIONS

Cook, D., Martins, M., Villringer, A. (2018). How domain-specific is Merge? In Cuskley, C., Flaherty, M., Little, H., McCrohon, L., Ravignani, A., & Verhoef, T. (Eds.). Proceedings of the 12th International Conference on the Evolution of Language. doi: 10.12775/3991-1.016

LANGUAGES

English (Native), German (A2), Turkish (A2)

**Fraunhofer Institute for Telecommunications, Berlin —
Graduate Student Assistant**

FEB 2016 - NOV 2016

Measured the statistical properties of images and movies in Python

Evaluated the perceptible differences of video and image codecs

Conducted psychophysical experiments on visual perception

Tested the statistical differences of neural responses

Investigated the electromagnetic spectrum of VR devices on the quality of acquired brain signals

Configured computer hardware & software for brain computer interfaces

Berlin School of Mind & Brain, Berlin — Research Scientist

MAY 2017 - NOV 2017

Configured electroencephalography (EEG) hardware for neuroscience research

Diagnosed CRT-monitors with color photometry and published model-based corrections

Centralized lab documentation

Customized website theme development

EDUCATION

Humboldt Universität zu Berlin, Berlin School of Mind and Brain, Berlin — Master of Science, Cognitive Neuroscience

OCT 2014 - NOV 2017

Thesis title: "The Effects of Lexical Retrieval and Recursive Arithmetic on the Discrimination of Fractal Patterns"

University of Central Florida, Orlando, FL. — Postgraduate Certification, Cognitive Science

AUG 2009 - JUNE 2012

Eckerd College, St Petersburg, FL. — Bachelor of Arts, Philosophy & Psychology

JAN 2005 - AUG 2007

PROJECTS

Personal website — <https://www.danjcook.com>