

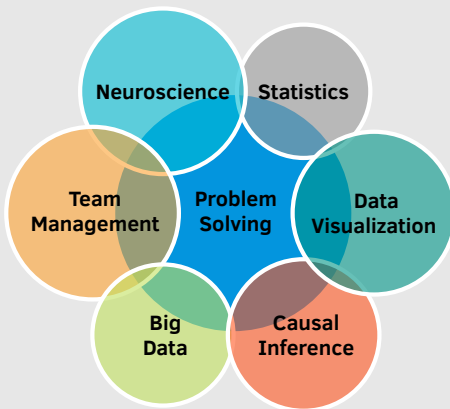
Nicholas Judd



Cognitive scientist

+46 79 335 1725
njudd.com
contact@njudd.com
/in/nickjudd
njudd

Competencies



Coding

R • Lavaan • lme4 • zsh
SQL • Python • Docker • Git
L^AT_EX • Julia

Experience

Cognitive training, differential psychology, neuroimaging, causal processes.

- Sep 2021-ongoing **Research Scientist** Donders Institute for Brain, Cognition and Behaviour
Researching how to properly localize the effects of cognition in the brain. The project will have a conceptual section, simulation-based findings, along with empirical cognitive, neural, and genetic data. It is under the supervision of Dr. Rogier Kievit—named life sciences 'Rising Star' by Nature Magazine—he is a professor at Cambridge and Donders.
- Sep 2016-ongoing **Research Scientist** Karolinska Institute
Spanning eight years this has been my longest scientific position, resulting in a variety of projects related to cognitive training, development, and neuroimaging. I carry out project conceptualization, design, analysis and interpretation. My two largest and most impactful studies are highlighted in the section 'Selected Projects'.
- My role involves directly supervising master's students in machine learning, medicine, and cognitive neuroscience. Furthermore, I have been fortunate enough to be invited to international conferences around the world to give talks about my research.
- Feb 2016-Aug 2016 **Research Scientist** University of Amsterdam
Collected data and wrote a thesis on high field MR imaging techniques to atlas the human subcortex in the lab of Dr. Birte Forstmann.
- Feb 2015-June 2015 **Researcher** Umeå Center for Functional Brain Imaging
Collected data and wrote a thesis on unconscious working memory in the lab of Dr. Johan Eriksson.
- May 2012-Sep 2014 **Research Assistant** University California San Diego
This project examined the impact of mild traumatic brain injury on cognition, the brain, and psychiatric outcomes in 300 children. Over the years I became more embedded with the project, collecting data, filling out ethics applications, and becoming a certified MRI scan operator. This year we published the findings. Dr. Jeffrey Max took me under his wing and is truly a scientific mentor of mine – to this day we still meet up and discuss science.

Selected Projects

- Jan 2018-Jan 2021 **App based cognitive training** Cognition Matters
- Worked on the cognitive training app Vektor to implement different spatial training exercises for the goal of improving mathematics in 17,000 children.
 - Published in a leading Nature journal.
 - Was invited for a talk at UCL's Centre for Educational Neuroscience.
 - Learned SQL, clustering techniques and mixed effects models.
- Jan 2019-Mar 2020 **IMAGEN Project** Karolinska Institute
- Led a team of researchers involved the analyses of imaging, genetic and behavioural data.
 - Published in a leading journal (PNAS).
 - Learned advanced statistical methods (e.g., structural equation modeling, confirmatory factor analysis, cluster permutation).
 - Directly supervised two masters students.



+46 79 335 1725



njudd.com



contact@njudd.com



/in/nickkjudd



njudd

Education

Feb 2018- Jun 2022	Ph.D. Neuroscience Supervisors: Dr. Torkel Klingberg & Dr. Rita Almeida	Karolinska Institute
2015-2017	M.Sc. Brain and Cognitive Sciences	University of Amsterdam
2014-2015	M.Sc. Cognitive Science	Umeå University
2011-2014	B.A. (Hons) Psychology	DBS School of Arts
2008-2011	Irish Leaving Certificate	St. Kilian's German School & La Jolla High School

Professional training

May 2021	Medical Innovation Bootcamp Carlson School of Management & SESS
May 2021	Singularity Workshop Uppsala Multidisciplinary Center for Advanced Comp. Sci.
Apr 2021	Analyzing data in a HPC environment using R KTH royal institute of technology
Feb 2019	Structural Equation Modeling Workshop Lund University
Jan 2019	High performance computing introductory Workshop Uppsala Multidisciplinary Center for Advanced Comp. Sci.
Jun 2018	HCP Exploring the Human Connectome Workshop University of Oxford
Apr 2016	Nuclear Magnetic Resonance Workshop Spinoza Center for Neuroimaging

References

Please respect the time zone's indicated.

GMT +1	Dr. Rita Almeida +46 70 964 6033 rita.almeida@su.se	Head of Stockholm Brain Imaging Center
GMT +1	Dr. Rogier Kievit +44 64 178 1716 Rogier.Kievit@radboudumc.nl	Professor of Developmental Neuroscience
GMT +1	Dr. Torkel Klingberg +46 73 352 5702 torkel.klingberg@ki.se	Professor of Cognitive Neuroscience
GMT -8	Dr. Jeffrey Max +1 858 625 0025 jmax@ucsd.edu	Professor In-Residence, Psychiatry
GMT +1	Dr. Bruno Sauce +46 70 243 1468 b.sauce.silva@vu.nl	Assistant Professor in Biological Psychology