Jan-Philipp Fränken

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Education

PhD, Psychology   **University of Edinburgh**
Bramley Computational Cognitive Science Lab   *2019-2022 (expected)*
o Awarded competitive scholarship by ESRC and German Academic Scholarship Foundation (€68,800).

MSc, Cognitive and Decision Sciences   **University College London**
GPA: 77.8/100, Distinction, Dean's List   *2018-2019*
o Courses in programming (Python), statistics (R), and neuroimaging (MATLAB).

BSc, Psychology   **Maastricht University**
GPA: 8.98/10, Distinction, Honours   *2015-2018*
o Semester abroad at Universitas Surabaya, Indonesia.

Professional Experience

PhD Researcher   **Dept. of Psychology, University of Edinburgh**
o Used **Python** and **C++** to build new models of program learning resulting in first-author submission (preprint *here*).   *2019–present*
o Built interactive multiplayer experiments using **React** and recruited participants using **MTurk** (demos *here*).
o Published first-author conference paper (paper *here*) and first-author poster at Cognitive Science Society (poster *here*).
o Implemented dynamic Bayesian models in Python to develop account of structure sensitive social inference (paper in prep.).
o Presented research findings in talks at NYU, UC Berkeley, UCL, and MPI for Biological Cybernetics.

Tutor, Computer Science & Statistics   **School of Informatics & Dept. of Psychology, University of Edinburgh**
o Led weekly tutorials helping computer science students with the implementation of computational models in **R**.   *2019–present*
o Tutored three undergraduate and two postgraduate courses in statistics using R and marked assignments.
o Awarded £100 for excellent tutoring performance in 2020/2021.

Visiting Researcher   **Centre for Mathematical Neuroscience, City, University of London**
o Implemented dynamic causal model of resting-state fMRI using **MATLAB** and Python (paper in prep.).   *2019–2020*

MSc Researcher   **Dept. of Experimental Psychology, University College London**
o Built an **agent-based model** of echo chamber formation in **NetLogo** resulting in first-author publication (paper *here*).   *2018–2019*
o Implemented behavioural experiment on MTurk using **JavaScript** and tested model predictions using Python.

Consulting Intern   **CPC AG - Consultancy for Change Management**
o Conceptualised mindfulness training programme for one of the world's largest telecommunications companies.   *Summer 2018*

Research Assistant   **Faculty of Psychology and Neuroscience, Maastricht University**
o Collected empirical data using a virtual reality-based deception paradigm and analysed results.   *2016–2018*
o Presented findings to the university's forensic psychology section and co-authored publication (paper *here*).

Selected Leadership and Organisation

Lead Course Representative   **University College London**
o Designed survey to collect data from 70 postgraduate students and presented results to faculty in quarterly meetings.   *2018–2019*
o Collaborated with course convenor and developed new assessment format for the module Knowledge, Learning and Inference.

Political Cognition Seminar Series Host   **University College London**
o Organised a biweekly seminar series with speakers from Yale, Cambridge, Oxford, LSE, and other top universities.   *2018–2019*

Child Interview Trainer   **Universitas Indonesia**
o Assisted forensic experts with the training and examination of police officers on child interviewing techniques.   *October 2017*

Skills

o **Programming**: *Proficient*: Python, R, NetLogo, MATLAB, JavaScript, HTML, CSS. *Learning*: C++.

o **Machine learning and statistics**: Bayesian models, Monte Carlo methods, program induction, causal inference, reinforcement learning, information theory, regression, clustering, classification, hypothesis testing, model fitting, optimisation.

o **Research skills**: Experimental design, model development, data collection, data analysis, data visualisation, report writing.

o **Languages**: Native/bilingual proficiency: German, English; Beginner: Bahasa Indonesia.

Interests and Hobbies

o Kiteboarding, meditation, mixed martial arts, playing guitar.