

Dominik Martin Maczik

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EDUCATION

PhD in Computational Modelling and AI

London, UK | 2021 - Present

BBSRC AND LIDO FUNDING

- Built a novel model to optimise public health response to infectious diseases.
Authoring the paper '*Is local or central infectious disease control more effective?*'
- Currently working on a novel AI method to evaluate air pollution and climate risks for winter wheat.
I am using the JASMIN Linux-based supercomputer to optimise large-scale climate change models.

MSci. Honours in Computational Biology

London, UK | 2017 - 2021

UNIVERSITY COLLEGE LONDON

First Class Honours: Developed software for automated image and video analysis for biological wet labs.

PROFESSIONAL WORK EXPERIENCE

CEE BANKWATCH | POLICY RESEARCHER ON DIGITAL DEVELOPMENT

London, UK | Jan 2022 – Present

- Researching Multilateral Development Bank's (**Worldbank, EIB, ERBD, ADB**) public policies on digital development to identify potential gaps, risks and suggest required improvements where necessary.
- Especial focus on preventing **human rights** violations through digital development.
- Attended and contributed to multiple conferences:
 - **United Nations'** 'HRC mandated consultation on the application of the UNGPs to the Tech sector'
 - ERBD conference on the 'Digitalisation of Financial Institutions in the Western Balkans and Eastern Europe region'.

MIRONLINE | ENVIRONMENTAL JOURNALIST

Montréal, Canada | Sept 2019 - March 2020

- Conducted research and published articles on current global and local environmental affairs.
- In-depth analysis of events such as the Montréal Climate March and the 2019 Canadian Election.

ACADEMIC WORK EXPERIENCE

INSTITUTE OF HEALTHY AGEING | DATA ANALYST

London, UK | Jan 2022 – Present

- Co-authored the paper: '*C. elegans hermaphrodites undergo semelparous reproductive death*', now a preprint and submitted to *Nature Communications* for review.
- Responsible for **data analysis, optimised data collection** and trained and supervised multiple incoming analysts.

MCGILL UNIVERSITY | RESEARCH ASSISTANT

Montréal, Canada | Sept 2019 - Dec 2019

- Conducted an exhaustive literature review on behavioural plasticity's effect on evolution.
- My work has since been utilised in the consequent research of the department, including a PhD publication.

SKILLS

Languages: English, Hungarian, German (B2)

Programming Languages: R, C++, Python, bash, \LaTeX , Linux

Technology: Git, Microsoft Office, ImageJ

ATHLETIC CAREER ACHIEVEMENTS

- Semi-pro water polo player at BVSC 2009 - 2017, won the U17, U18 Budapest championship.
- UK BUCS 2018 league winner with the UCL Water Polo Club, 2019 Playoffs with Poseidon in the Québec League.
- Held the roles of Captain, Marketing Manager and Kit Manager developing extensive interpersonal skills.