

## RESEARCH and EDUCATION

### PhD Candidate in Computational Modelling and AI, London, UK

2021 - Present

- Fully funded by the BBSRC and the London Interdisciplinary Doctoral Programme (LIDo)
- Developing novel methods to optimise public health response to infectious diseases

### MSci Computational Biology UCL, London, UK

2017 - 2021

- **First class honours**
- Masters thesis on 'Effects of Photobiomodulation on the *C. elegans* Ageing'
  - Tested my own hypotheses after thorough research of existing literature
  - Developed software for automated image and video analysis of *C. elegans* motility
- Relevant Modules: Advanced Computational Biology, Molecular Evolution, Biometry, Energy and Evolution, Evolution and Society, Cells and Development, Eukaryotic Cell Biology, Dynamic Biological Systems (audited)
- Admitted to a year abroad programme to McGill University for 2019 - 2020

### Radnóti Miklós High School, Budapest, Hungary

2009 - 2017

- Matura Exam Results: Advanced Biology, Advanced Mathematics, Advanced English Language, History, Hungarian Literature (A\*, A\*, A\*, A, A)

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## ACADEMIC WORK EXPERIENCE

### Data Analyst:

Jan 2019 - Aug 2019

#### *Institute of Healthy Ageing, UCL, London, UK*

- Data and pathology analyst; computational and experimental researcher in Genetics and Evolutionary Biology
- I have co-authored the paper: '*C. elegans* hermaphrodites undergo semelparous reproductive death', now a preprint and submitted to *Science* for review
- Responsible for data analysis, optimised data harvest and trained and supervised multiple incoming analysts
- Mastered several imaging and image analysis (VLOCITY, Image J) and biostatistical programmes (R, JMP, Prism)

### Research Assistant:

#### *CEEB Department, McGill University, 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.

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## FURTHER RELEVANT WORK EXPERIENCE

### Environmental Journalist:

Sept 2019 - March 2020

#### *McGill International Review, Montréal, Canada*

- 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

### Global Citizenship Programme:

2018

- Extensive research about the 2014 West African Ebola Crisis
- In-depth modelling to optimise response to a potential second outbreak by major global health stakeholders. Communications and negotiations with the stakeholders about our results.

### Competitive Debater:

2013 - 2017

#### *National Debating Team, Hungary*

- Acquired critical thinking skills, on-the-spot analysis, clear argumentation and excellent public speaking

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## SKILLS AND EXTRACURRICULAR ACTIVITIES

### Languages And IT Skills:

- Extensive knowledge of R, C++ and Python, Comprehensive knowledge of Microsoft Office products
- Fluent in English and Hungarian, Learning German currently at B1/B2 level

### 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