

# Robert Nagy

Final-year PhD student

Having a multidisciplinary background by training that is complemented by 5+ years of academic research work experience. Being a data-driven innovation enthusiast in health, space, cybersecurity and beyond. I am aspiring for a postdoctoral Data Analyst or a Research Scientist position where the emphasis is more on IT infrastructure and software applications.

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## PERSONAL SKILLS

Proactivity & leadership

Self- & project management

Analytical problem solving

Cross-disciplinary team work

Communication of complex ideas

Relationship management

Creativity

Ownership and responsibility

Empathy

Attention to details

Collaboration

Critical thinking

Can-do attitude

## TECHNICAL SKILLS

### ADVANCED

Microsoft Windows OS, Mac OS, Linux OS

### INTERMEDIATE

R/ RStudio, Python/ Anaconda, SQL/ SQLite, MySQL & Oracle SQL Developer, Bash/UNIX shell, Git/Hub

### BEGINNER/ PRIOR EXPERIENCE

C++, Java, Go, Julia, HTML/ CSS/ JS, MATLAB, Mathematica, SPSS, Weka, OpenRefine, OCaml and others

## WORK EXPERIENCE

### Teaching Assistant (part-time)

University of Edinburgh Business School

09/2019 - 03/2020

Edinburgh

- 'Python Programming for Business Applications' Computer Lab Assistant for both UG & PG students; Exam invigilation
- Teaching Assistant for the Economics of Corporate Strategy
- 'Business Research Methods I: Introduction to Data Analysis' - Exam marking

### Summer Intern - A Business Consultancy Master's placement

NHS National Services Scotland & NHS Lothian Health Board (Lothian Analytical Services)

06/2017 - 09/2017

Edinburgh

- Created a natural language processing (NLP) prototype tool for mining free-text clinical records to support decisions on targeted cancer therapy

### Departmental Engineer

Semmelweis University - Dept. of Biophysics and Radiation Biology (Nano-Biotechnology Lab)

02/2016 - 08/2016

Budapest

- Designed and conducted experiments using atomic force microscopy
- Conducted data analysis and presented my findings at relevant regional scientific conferences
- Volunteered mentor of Undergraduate research students

### Executive Assistant (part-time)

Intelilight Hungary Ltd. (subsidiary of FLASHNET SA)

03/2015 - 10/2015

Budapest

- Coordinated various Smart City pilot project implementations
- Organised business meetings & presented Intelilight solutions at prestigious B2B & B2C events
- Co-organiser at 'Jedlik Anyos Cluster' that is responsible for the e-Mobility Platform development in Hungary

## EDUCATION

### PhD in Molecular and Clinical Medicine (Data Science for Health Technology Assessment)

Cancer Research UK Edinburgh Centre, The University of Edinburgh

10/2017 - 04/2021

Edinburgh

- Thesis: 'Data intelligence for the evaluation of new treatments for breast cancer'
- This work is to be done within the framework of the Edinburgh Cancer Information Modernisation Programme
- Completed survival analysis for colorectal cancer patients' stratified clinical outcomes based on therapeutic regimen
- Member of the Edinburgh Health Economics (EHE) Academic Team (Usher Institute - Edinburgh Clinical Trials Unit)
- Honorary Contract with NHS Lothian Health Board (Lothian Analytical Services / WGH Edinburgh Cancer Centre)

### MSc in Data Science for Business (The Data Lab Master's Programmes)

University of Stirling - Stirling Management School

09/2016 - 10/2017

Stirling

- Dissertation: 'Natural Language Processing in Clinical Decision-Making for Targeted Cancer Treatment'
- 10-week Data Analytics & Business Consultancy team-based project that delivered valuable insights to the client, DIAGEO Plc.

### BSc in Molecular Bionics Engineering (Hons) (Medical Biotechnology orientation)

Pazmany Peter Catholic University - Faculty of Information Technology and Bionics

09/2012 - 01/2016

Budapest

- Thesis: 'Highly oriented, epitaxially growing amyloid nanoarray for nano-biotechnological applications' (Nano-Biotechnology Lab - Department of Biophysics & Radiation Biology - Medical School - Semmelweis University)
- Completed a Neuroscience - 'Two-Photon Imaging' Summer Internship - Institute of Experimental Medicine & Femtonics Ltd.
- Completed a Neuroscience - 'Endocrine Neurobiology' Summer Internship - Institute of Experimental Medicine
- Completed Summer internship at Szentagothai MR Research Centre & Richter Gedeon Preclinical MR Imaging Lab

## VOLUNTEER EXPERIENCE

### Tutor

Edinburgh Medical School & Centre for Medical Informatics - The University of Edinburgh

09/2018 - 11/2019

Edinburgh

- Lead 'Data Science in Medicine' tutorials for groups of 10 - 15 year-two medical students on a weekly basis
- Involved in assignment marking using PebblePad; coped with tight deadlines

### Helper & Instructor

Edinburgh Carpentries - Software Sustainability Institute (Bayes Centre - EPCC)

02/2020 - Present

Edinburgh

*The Carpentries is a non-profit global organisation teaching foundational computational & data science skills to researchers, industry and government.*

- Helping out and instructing offline and online data upskilling workshop series both in Data Carpentry and Software Carpentry
- Qualified Data Carpentry Instructor with the emphasis on pedagogy when teaching data skills
- During workshop sessions I comply with stringent ethical considerations and internationally valid Code of Conduct
- Contributing to the development of 'Delivering Online Data Carpentry Workshops' working document
- Workshops are inclusive for all the attendees with diverse backgrounds, levels of data-literacy, demographics, etc.

## LANGUAGES

English

*Full Professional Proficiency*

Hungarian

*Native or Bilingual Proficiency*

German (to be refreshed)

*Elementary Proficiency*

## INTERESTS

MOOCs

Hackathons

Volunteering

Cybersecurity

Cognitive Science

Outdoors & Creating music