

Csaba Ortutay

DATA SCIENTIST, AUTHOR, OWNER

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PERSONAL

Date and place of birth:	20 January 1976, Budapest, Hungary.
Family Status:	Married to molecular biologist, four children.
Nationality:	Hungarian
LinkedIn profile:	http://linkedin.com/in/csabaortutay
ResearcherID:	http://www.researcherid.com/rid/H-2827-2012
ORCID:	http://orcid.org/0000-0001-6306-6101

EMPLOYMENT HISTORY

August 2013 to present

HiDucator Ltd, Finland

Chief executive officer, owner

October 2015 to December 2018

Space Nation Ltd, Finland

Head of analytics, data scientist

January 2004 to July 2013

University of Tampere, Finland, Institute of (Bio)Medical Technology, Bioinformatics group

January 2004 – September 2009, Post-doctoral research fellow

October 2009 – January 2012, Adjunct Professor of Bioinformatics

February – December 2012, Acting Professor of Bioinformatics, leader of the group

January 2013 – July 2013, University Lecturer

2002 to 2003

Agricultural Biotechnology Center, Godollo, Hungary

Associate lecturer

1999 to 2002

Eötvös Loránd University, Hungary, Department of Genetics

1999 – 2002, PhD student

MAIN PROJECTS

2019 to present @ Absenses

Technical leader: Design and development of machine learning and statistics based natural language processing service implemented in Amazon Web Services using R and Python coding.

Algorithm development, validation, implementation. Migration to AWS, scalability, API implementation.

2013 to present @ HiDucator

CEO: Management of SME, development of e-learning courses, international project coordination. Erasmus+ consortium partnership. Technical administration of virtual private servers.

Writing textbook: Csaba Ortutay, Zsuzsanna Ortutay: Molecular Data Analysis Using R. ISBN: 978-1-119-16502-6 Wiley-Blackwell 2017

Teaching: University of Turku, Finland, guest lecturer, R courses; National University of Ireland Galway, guest lecturer, R courses; Pázmány Péter Catholic University, Hungary, guest lecturer, phylogenetics and R courses; Company partners, data science R and Python courses

2015 to 2018 @ Space Nation

Head of analytics: coordinating with CEO, marketing, sales and analysts. Data engineering for data collected from mobile app and social media. Design and implementation of data collection and storage infrastructure (AWS, IBM Cloud solutions).

Data scientist: analysis of user behavior data (R, Python), reporting, development of interactive data visualization (R, Plumber).

2004 to 2013 @ University of Tampere

- Research: Systems biology studies on the human immunome
- Research: *In silico* disease gene identification
- Teaching activities: 4 courses, 2012: head of the international bioinformatics Masters Program

EDUCATION

Ph.D.

Eötvös Loránd University, Budapest, Hungary

Graduated **2003**

Major: Evolutionary biology (bioinformatics).

M.Sc.

Eötvös Loránd University, Budapest, Hungary

Graduated **1999**

Major: Molecular biology.

DOCENTSHIP

Adjunct Professor (Docent) of Bioinformatics

University of Tampere, Finland

2009

Topic: Biomedical Technology, Bioinformatics group.

PUBLICATIONS

Scientometrics

Textbook: 1

Scientific original articles: 39

Reviews and book chapters: 3

Conference proceedings: 4

Times cited: 483

H-index: 14

EXPERT POSITIONS

Scientific expert for European Union

Expert for evaluation of Marie Curie Individual fellowships in FP7 PEOPLE 2011 IEF, IIF, IOF calls (LIFE panel), 2011, 2012, 2013, 2014.

Expert for evaluation of Marie Curie Individual fellowships in Marie Skłodowska-Curie IF calls (LIFE panel), 2018, 2019.

SKILLS

Software development: R, Python, Perl, GitHub, Amazon Web Services, IBM Cloud, Linux servers; Machine learning: Pytorch; Keras in cloud environment; Relational database systems: MySQL, PostgreSQL; NoSQL database systems: MongoDB, DynamoDB

Computational biology, Systems biology, Molecular evolution, Biological databases, Bioperl, Genomics related web applications, Data mining, Biotatistics (R/Bioconductor)

Education Management, University Teaching, Writing and reviewing, Project management, Educational Leadership

LANGUAGES

English Full professional proficiency (CEF C2)

Hungarian Native (CEF C2)

Finnish Intermediate proficiency (CEF B2)