

# MACIEJ KOS

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## PROFILE

Data scientist with a strong background in behavioral sciences, UX, and health informatics. Contributed to the development of commercial products by providing insights about user behaviors using data analytics. Works well in diverse teams on time-sensitive projects.

## EDUCATION

<b>Northeastern University</b> , Boston, MA Ph.D. in Computer Science, Personal Health Informatics (GPA: 4.0)	09/2015 – present
<b>University of Michigan</b> , Ann Arbor, MI Master of Arts in Information Science (incentives-centered design and behavioral research focus)	12/2012
<b>Barcelona Graduate School of Economics</b> , Barcelona, Spain Master of Science in Economics of Science and Innovation	06/2009
<b>University of Gdansk</b> , Sopot, Poland Bachelor and Master of Arts in Economics and E-business	06/2005

## RELEVANT EXPERIENCE

<b>Research Assistant</b> at Khoury College of Computer and Information Science, Northeastern University, Boston, MA	09/2015 – present
<b>Clinical Data Analytics Research Intern</b> at Philips Healthcare Research, Cambridge, MA	05/2018 – 09/2018
<b>Investigator / Research Group Manager</b> , Research Grant: Genetic health risk information avoidance, Sopot, Poland & Boston, MA	07/2013 – 05/2018
<b>User Experience and Research Consultant</b> at Agile Axons (self-employed), Gdynia, Poland and Rome, Italy	01/2013 – 08/2015
<b>Graduate Research Assistant</b> at the School of Information, University of Michigan, Ann Arbor, MI	08/2009 – 01/2012

## SKILLS

**Expertise in:** R, Python, Stata, d3.js/Tableau

**Machine Learning:** Dimensionality reduction, clustering, support vector machines, ridge regression, logistic classification, random forests, regression trees

**Statistics:** Multilevel univariate and multivariate regression models, structural equation modeling, psychometric modeling

**Other:** Data visualization, network analysis, UX research and design, AI/ML pipelines for the analysis of experimental and physiological data

**Languages:** English and Polish; Spanish

## SELECTED PROJECTS (see more at: [mkos.pl/projects.html](http://mkos.pl/projects.html))

- Co-inventor of two integrated monitoring and decision-support systems for intensive care units (innovation disclosures submitted)
- Child Aid - a large-scale experimental intervention to increase literacy of Guatemalan children - data analyst
- Digital Breeze - a consumer-facing mobile application for a large Italian telco (with Ericsson, McKinsey, and Monk Software) - UX leader
- WearTech - a cutting-edge algorithm for improving the accuracy of heart rate variability estimates from wearable devices – one of two algorithm developers, independent evaluator
- HeartMech – a mechanistic model for simulating heart rate kinetics with Python – personal project

## SELECTED AWARDS

- **ACM/Intel Corporation Computational and Data Sciences Fellowship, 2017 – 2020**
- Polish National Science Center research grant (\$77 000), 2013 - 2016

## PUBLICATIONS

List of publications available at: [mkos.pl/publications.html](http://mkos.pl/publications.html)