
EDUCATION

Stanford University, Stanford, CA
Ph.D. Candidate in Computer Science
Advised by Professor Nigam Shah

2019 – Present

Princeton University, Princeton, NJ
B.S.E. in Computer Science, *magna cum laude*
Minor in Statistics and Machine Learning

2014 – 2018

PROJECTS AND PUBLICATIONS

G Campagna, **A Foryciarz**, M Moradshahi, and MS Lam. [Zero-Shot Transfer Learning with Synthesized Data for Multi-Domain Dialogue State Tracking](#). ACL, 2020.

K Szymielewicz, F Hidvegi, A Bacciarelli, **A Foryciarz**, S Pénicaud and M Spielkamp. [Where do Algorithmic Accountability and Explainability Frameworks Take Us in the Real World? From Theory to Practice](#). CRAFT Session at FAT*, 2020.

NL Turner, R Yang, **A Foryciarz**, K Lee, W Silversmith, William Wong, J Wu, S Dorckenwald, TL Lewis, Y Hirabayashi, F Polleux, N da Costa, TC Reid, HS Seung. [Mitochondrial Size Gradients in Cortical Neurons Revealed by 3D Electron Microscopy](#). *Society for Neuroscience Conference*, 2018.

A Foryciarz, [Reconstruction and Analysis of Mitochondrial Morphology and Distribution in Neocortical Neurons using 3D Deep Learning](#). Princeton Undergraduate Thesis advised by Professor Sebastian Seung, 2018.

A Foryciarz, G Gliner, YS Park, BE Engelhardt. [Identification of allele-specific expression quantitative trait loci using a Poisson generalized linear model](#). Workshop for Women in Machine Learning at NeurIPS, 2017.

A Foryciarz, DA Dean, II. [Generation and use of simulated genomic data](#). US Patent no. US10629292B2.

MEDIA

Ria Kalluri, Lauren Gillespie, **Agata Foryciarz**, Wren Elhai, Sanjana Srivastava, Argyri Panezi, Lisa Einstein. [If We're Not Careful, Tech Could Hurt the Fight against COVID-19](#). *Scientific American Blog*, 2020.

Agata Foryciarz, Daniel Leufer, Katarzyna Szymielewicz. [Black-Boxed Politics: Opacity is a Choice in AI Systems](#). *Medium* and *Internazionale* (Italian translation), 2020.

Agata Foryciarz, Jan Stradowski. [Podcast Panoptykon 4.0: Sztuczna inteligencja non-fiction](#). Interview for *Radio Tok FM*, 2019.

Agata Foryciarz, Monika Redzisz. [Dane, uprzedzenie i krzywda z algorytmu](#). Interview for *Sztuczna Inteligencja*, 2020.

Agata Foryciarz, Jan Stradowski. [Czy sztuczna inteligencja może być obiektywna?](#) Interview for *Radio Tok FM*, 2019.

CONTRIBUTIONS TO REPORTS

[Sztuczna Inteligencja Non-Fiction](#). Panoptykon Foundation, 2020.

Input on the European Commission White Paper “On Artificial Intelligence – A European approach to excellence and trust”. Stanford University Wonks and Techies, 2020.

[Who \(really\) targets you? Facebook in Polish election campaigns](#). Panoptykon Foundation, ePaństwo Foundation, Sotrender, 2020.

[The AI Index 2019 Annual Report](#). AI Index Steering Committee, Human-Centered AI Institute, Stanford University, 2019.

INDUSTRY EXPERIENCE

Data Science Intern, The New York Times, New York, NY

Fall 2018

Developed machine learning models for NYTimes reader engagement prediction, and an internal API for topic model generation on sets of NYTimes articles.

Machine Learning Intern, Autodesk, San Francisco, CA

Summer 2017

Developed deep learning models for semantic segmentation of point clouds generated by laser scans of buildings in 3D.

R&D Intern, Seven Bridges Genomics, Cambridge, MA

Summer 2016

Developed a private, graph-based encoding of genomic variant sequences and implemented a graph-traversal program for synthetically generating realistic sequences.

TEACHING EXPERIENCE AND SERVICE

Teaching

- Developed and taught an 6-week-long Introduction to Python and Data Science course for women at Kolo Programistek Miejskich in Warsaw (2019)
- Provided science tutoring services at Warsaw Social Services (2019)
- Lead Polish as a Foreign Language classes for a group of Spanish-speaking refugees at the Refugee.pl Foundation in Warsaw, Poland (2019)
- Lead weekly English classes with adult Spanish and French speakers in a Tenton, NJ community center (basic though intermediate levels) (2017)

Service

- Founder and organizer of [Computer Science and Civil Society](#) in collaboration with the Stanford Civil Society Lab (ongoing)
- Data Science advisor to the Panoptikon Foundation (ongoing)
- Co-organizer the HAI-AI Index Workshop Measurement in AI Policy: Opportunities and Challenges (2019)
- Co-organizer and co-developer the curriculum for the first AI4ALL camp for high school students at Princeton University (2018)