Alona Fyshe

Assistant Professor at University of Victoria, Computer Science Department

Victoria, BC, CA

Machine Learning and the Neuroscience of Language Understanding

Biography

Alona Fyshe is an Assistant Professor in the Computer Science Department at the University of Victoria and a CIFAR Global Scholar. Alona received her BSc and MSc in Computing Science from the University of Alberta, and a PhD in Machine Learning from Carnegie Mellon University. Alona uses machine learning to leverage large amounts of text and neuroimaging data to understand how people mentally combine words to create higher-order meaning.

Industry Expertise

Computer Software, Research

Areas of Expertise

Machine Learning, Neuroscience and Language, Computational Linguistics, Natural Language Processing, Data Analysis and Data Mining, Data Science, Computer Science

Event Appearances

Corpora, Cognition and Composition: Exploring Semantics in the Human Brain
CLSP Seminar

The Semantics of Phrases and Sentences in the Human Brain
Research Seminar

Decoding semantics from phrases and sentences using magnetoencephalography.
BioMAG

Interpretable Semantic Vectors from a Joint Model of Brain- and Text- Based Meaning
Machine Learning Lunch

Education

Carnegie Mellon University
Ph.D. Machine Learning

University of Alberta
B.Sc. Computing Science

Accomplishments

Canadian Institute For Advanced Research Global Scholar
The CIFAR Global Scholar award funds researchers within five years of their first academic appointment, helping them build research networks and develop essential skills needed to become leaders in global research https://www.cifar.ca/assets/inaugural-cifar-azrieli-global-scholars-appointed/