# Faculty Appointments 2017-18

"A year of unprecedented growth and talent. We welcome the next wave of U of T computer science faculty. Together we will address and solve some of society's most pressing challenges, building on our research strength and the collaborative approaches U of T is known for."

Ravin Balakrishnan Professor & Chair



### **SYED ISHTIAQUE AHMED**

Assistant Professor

Department of Computer Science

- PhD, Cornell University

Human-Computer Interaction: Access, visibility and freedom in user-interface design

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## **ALÁN ASPURU-GUZIK**

Professor and Canada 150 Research Chair Department of Chemistry Department of Computer Science

- PhD, University of California, Berkeley

Quantum Information, Machine Learning and Robotics for Chemistry: Developing and employing machine learning and robotics tools to accelerate the discovery process of new molecules and materials; Developing algorithms for quantum computers for solving chemistry and physics problems and quantum machine learning; Molecular computing

aspuru@cs.toronto.edu Starting Summer 2018



#### IIMMY R

Assistant Professor
Department of Computer Science

- PhD, University of Toronto

— Postdoc, Massachusetts Institute of Technology

Deep Learning and Artificial Intelligence: Learning algorithms to solve artificial general intelligence, deep reinforcement learning, understanding neural networks

ba@cs.toronto.edu Starting Summer 2018



#### **FANNY CHEVALIER**

Assistant Professor Department of Computer Science Department of Statistical Sciences

PhD, Université de Bordeaux

- Postdoc, University of Toronto and OCAD U

Data Visualization and Analytics: Computing tools for the interactive visual exploration of rich and complex data, visualization education, and sketch-based interfaces

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#### MURAT A. ERDOGDU

Assistant Professor
Department of Computer Science
Department of Statistical Sciences

– PhD, Stanford– Postdoc, Microsoft Research

achine Learning: Optimization algorithms for machine

Machine Learning: Optimization algorithms for machine learning problems, high-dimensional statistics, graphical models

erdogdu@cs.toronto.ed Starting Summer 2018



#### MARZYEH GHASSEMI

Assistant Professor
Department of Computer Science
Department of Medicine

- PhD, Massachusetts Institute of Technology

— Postdoc, Massachusetts Institute of Technology

- Visiting Researcher, Google Verily

Computational Medicine: Developing and applying machine learning algorithms towards prediction and stratification of relevant human risks

mghassem@cs.toronto.edu Starting Summer 2018



#### **TOVI GROSSMAN**

Assistant Professor
Department of Computer Science

- PhD, University of Toronto - Distinguished Research Scientist, Autodesk Research

Human-Computer Interaction: Learning, tutorials, 3D user interfaces, interactive fabrication, sketch-based animation

tovi@cs.toronto.edu Starting Summer 2018



#### **ARVIND GUPTA**

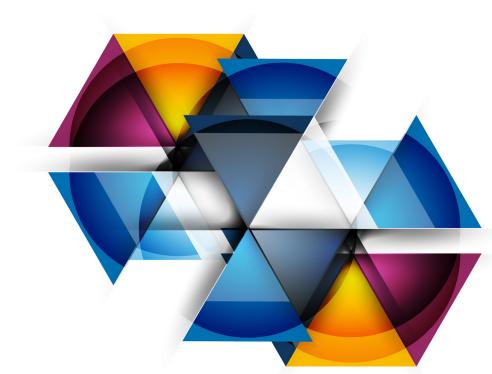
Professor

Department of Computer Science

PhD, University of Toronto

Theoretical Computer Science and Innovation Policy:
Algorithmic bioinformatics, graph theory; Models for innovation, higher education policy, science and technology policies

arvind@cs.toronto.ed Starting Summer 201



# FAN LONG

Assistant Professor Department of Computer Science

- PhD, Massachusetts Institute of Technology

Software Engineering / Programming Languages: Program analysis, software engineering, systems security

fanl@cs.toronto.edu Starting Summer 2018



#### **YANG XU**

Assistant Professor
Department of Computer Science
University College, Cognitive Science

- PhD, Carnegie Mellon University

- Postdoc, University of California, Berkeley

Computational Cognitive Science: Language and cognition, word meaning, historical semantic change, cross-linguistic semantics, linguistic relativity, lexicon, probabilistic models, machine learning, computational linguistics

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# **HENRY YUEN**

Assistant Professor
Department of Computer Science
Department of Mathematics

PhD, Massachusetts Institute of Technology

- Postdoc, University of California, Berkeley

Quantum Computing and Cryptography: Interactive protocols for quantum information processing, privacy and security in a quantum world, quantum complexity theory

yuen@cs.toronto.edu Starting Summer 2018