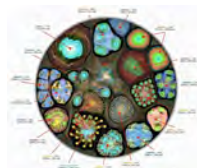
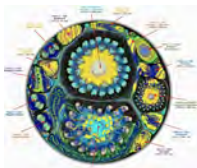
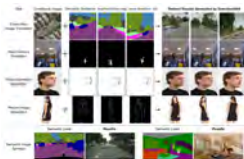
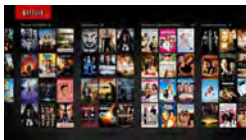


Advances in Artificial Intelligence

Salimeh Yasaei Sekeh

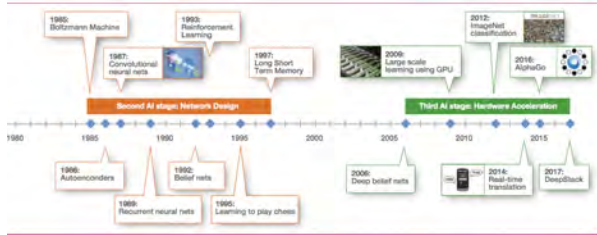
Department of Computer Science
Director of Sekeh Lab

AI Webinar, April 29, 2020



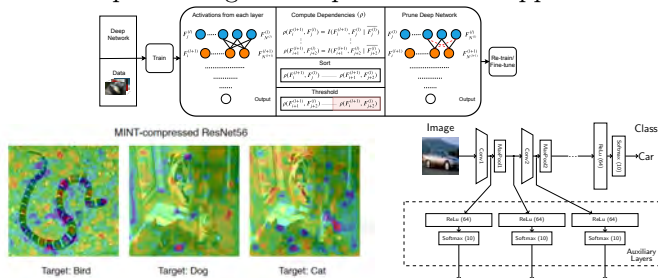
AI Algorithm Design

- ▶ Humans have significant role to play in the future of AI
- ▶ The coming era of AI brings prominent challenges of **Smart Methods with Low Risk and Computational Complexity**
- ▶ Digital life demands acceleration and accuracy in processing



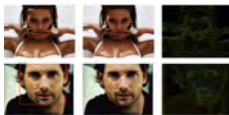
Our Mission in Sekeh Lab

- ▶ Advance Deep Learning Techniques and their Applications



Sekeh et al, 2019, 2020

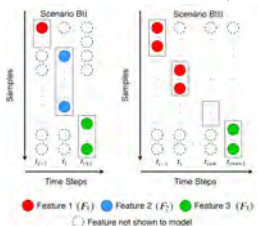
- ▶ Develop AI techniques that make computers creative: Adversarial Attacks



Joey Bose et al 2018

Our Mission in Sekeh Lab

► Time Series/Online ML Methods and Vision Application



Sekeh et al 2019

► Time-series Deep Learning: New Technology that Supports Large-Scale Streaming Data and Safe Human Lives



kaggle website