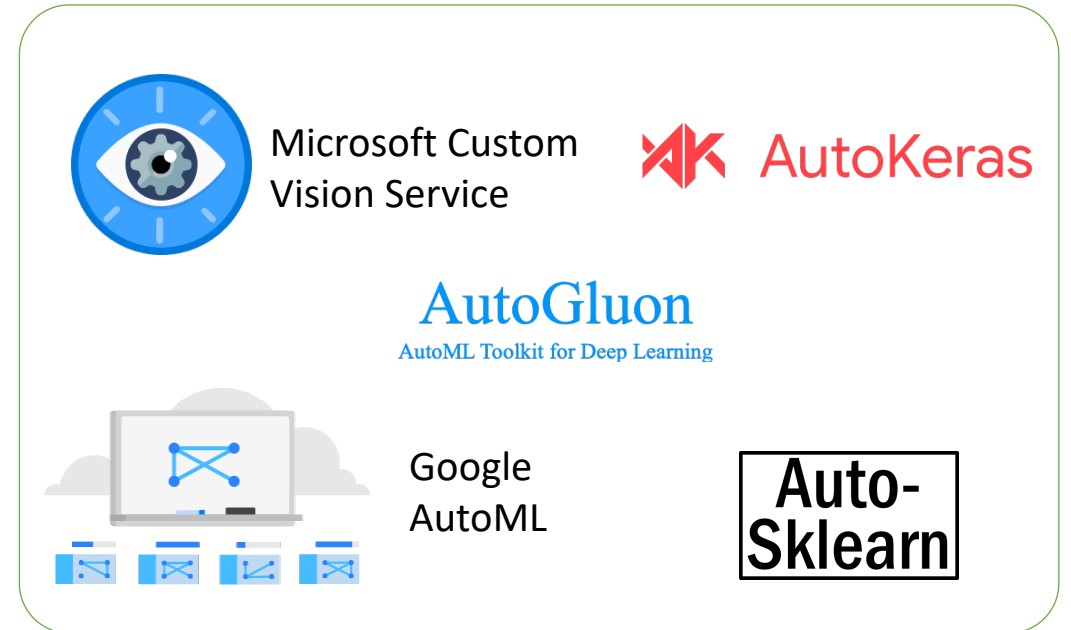
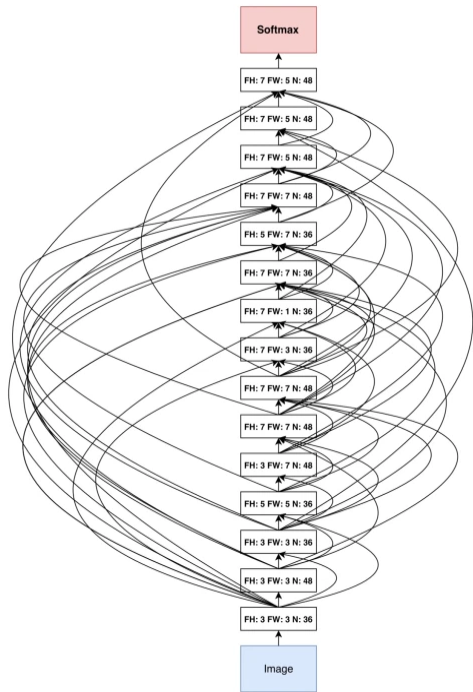
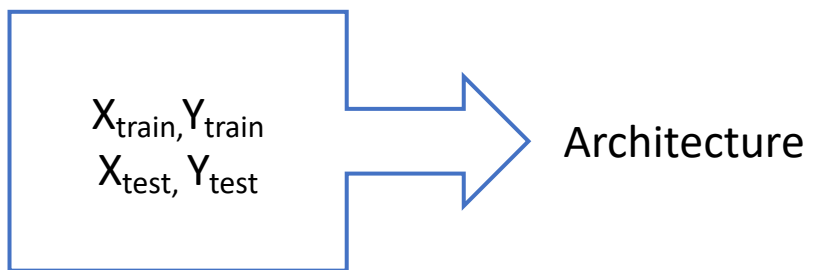


Neural Architecture Search for Computer Vision in the Wild

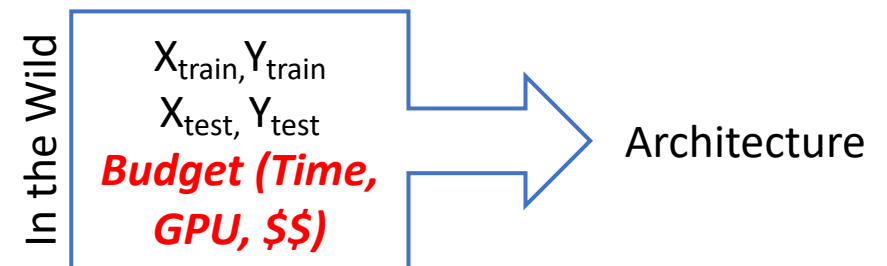
NAS → AutoML Systems



Neural Architecture Search



Real-World AutoML Systems



Special Thanks to Program Committee!

Weidong Cai

Associate Professor
University of Sydney

Xiaoliang Dai

Research Scientist
Facebook

Debadeepta Dey

Principal Researcher
Microsoft Research

Victor Fragoso

Senior Researcher
Microsoft

Nikolaos Karianakis

Senior Researcher
Microsoft

Peizhao Zhang

Research Scientist
Facebook

Narayanan C Krishnan

Assistant Professor
Department of Computer Science and Engineering
Indian Institute of Technology Ropar

Ty Voss

Founder
Voss Imaging Informatics

Martin Wistuba

Researcher
IBM Research Ireland

Lambert Wixson

Principal Machine Learning Engineer
Zillow

Dong Yang

Applied Research Scientist
NVIDIA

Ye Yu

Software Engineer
Microsoft

Agenda

Schedule Item	Start-End Time	Title	Speaker/Authors(s)
Opening Remarks	09:15am - 09:30am	Welcome and Opening Remarks	Gaurav Mittal; Mei Chen (Microsoft)
Invited Talk	09:30am - 10:15am	Neural Architecture Search: Has the revolution happened yet?	Debadeepta Dey (Microsoft Research)
Coffee Break	10:20am - 10:40am		
Invited Talk	10:40am - 11:25am	Neural Architecture Search in Large-Scale 3D Medical Image Analysis	Dong Yang (NVIDIA)
Invited Talk	11:30am - 12:15pm	Representational Dissimilarity Analysis as a Tool for Neural Network Model Search	Walter J. Scheirer (University of Notre Dame)
Lunch	12:20pm - 01:35pm	Lunch on your own	
Invited Talk	01:35pm - 02:20pm	Neural Architecture Search and Beyond	Barret Zoph (Google Brain)
Oral Presentation	02:25pm - 02:40pm	Memory-Efficient Models for Scene Text Recognition via Neural Architecture Search	SeulGI Hong (hutom); DongHyun Kim (NAVER Corp); Min-Kook Choi (hutom)
Oral Presentation	02:45pm - 03:00pm	Impact of ImageNet Model Selection on Domain Adaptation	Youshan Zhang; Brian Davison (Lehigh University)
Coffee Break	03:05pm - 03:30pm		
Invited Talk	03:30pm - 04:15pm	Hardware-Aware Deep Neural Architecture Search	Peizhao Zhang (Facebook)
Closing Remarks	04:20pm - 04:30pm	Closing Remarks	Gaurav Mittal; Mei Chen (Microsoft)