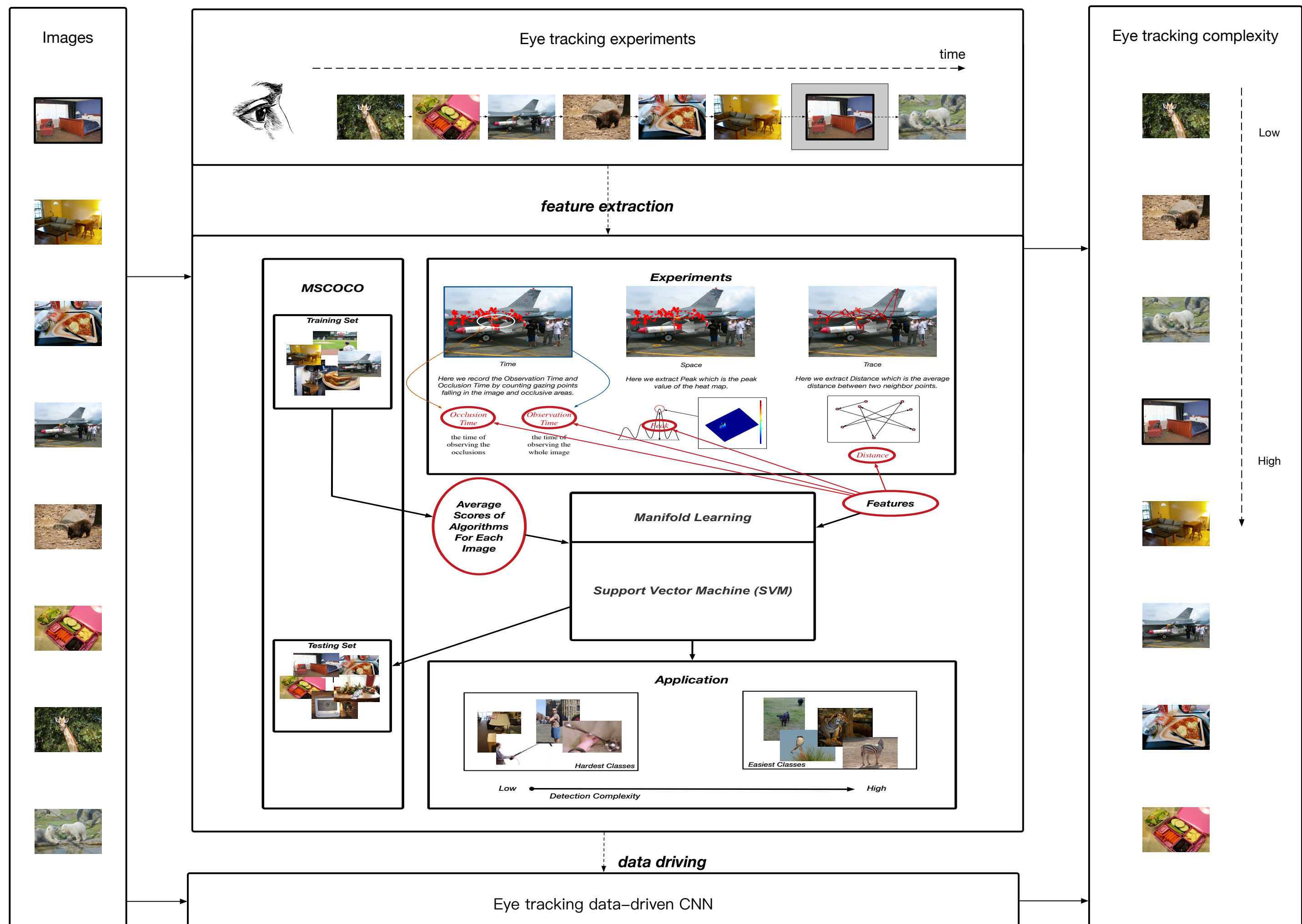




Research Intern @ Tsinghua University Interactive System for Human-Centered Data Collection and Analysis

Yuwei Qiu



Contributions

- (+) Human vision quantifying:** Eye tracking features including scan path, heat map, components of scan path, and peaks of heat are either introduced or newly defined.
- (+) New complexity definition:** A new metric of image complexity is defined based on these eye tracking features. It also has been validated that the new defined complexity corresponds to the detection algorithms' average precision.
- (+) Automatic computation:** The new defined complexity can be computed either by carrying out eye tracking experiments and extracting eye tracking features, or just through a pre-trained CNN.

