Gary Leung

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Education

University of Toronto, Toronto, ON   *Sept 2020 - Present*
M.Sc. in Computer Science   Advisor: Prof. Sanja Fidler

University of Toronto, Toronto, ON   *Sept 2015 - May 2020*
BA.Sc. in Engineering Science (Major in Robotics)   cGPA: 3.91/4.00

Experiences

University of Toronto   Graduate Researcher   *Sept 2020 - Present*
Machine Learning Group   *Advisor: Prof. Sanja Fidler*

Research: Integration of part-whole hierarchies into image understanding, learnable downsampling for efficient inference on data, application of superpixels for vision architectures and implicit models.

Osaka University   Visiting Researcher   *April 2019 - Aug 2019*
Robotic Manipulation Group   *Advisor: Prof. Kensuke Harada*

Research: Transfer learning using videos of human assembly motions to train robotic assembly.

Google   Software Engineering Intern   *Jan 2019 - April 2019*
Google Brain and Ads   *Mentor: Dr. Jay Pillai*
Developed computer vision models for segmentation of cluttered and occluded objects in the wild.

Samsung   Research Intern   *May 2018 - Dec 2018*
Toronto AI Centre   *Advisor: Dr. Iqbal Mohomed*
Research: Segmentation of mobile UI elements, intelligent task automation robust to context in UI.

University of Toronto   Undergraduate Researcher   *May 2017 - April 2018*
Dynamic Graphics Project   *Advisor: Prof. Kyros Kutulakos*
Research: Capturing scene geometry using structured light patterns, reconstructing static occluded objects using Non-Line-of-Sight Imaging.

Publications

Studying BatchNorm Learning Rate Decay on Meta-Learning Inner-Loop Adaptation
NeurIPS 2021 Meta-learning Workshop
Alexander Wang[*], Sasha Doubov[*], **Gary Leung**[*]

VASTA: A Vision and Language-assisted Smartphone Task Automation System.
ACM IUI 2020
Alborz Rezazadeh Sereshkeh, **Gary Leung**, Krish Perumal, Caleb Phillips, Minfan Zhang, Afsaneh Fazly, and Iqbal Mohomed.

Awards

University of Toronto Dean's List (8 times)   *Sept 2015 - May 2020*

Mitacs Globalink Research Award   *May 2019*

Walter Scott Guest Memorial Scholarship   *May 2015*