Daniel Gordon

danielgordon@cs.washington.edu https://danielgordon10.github.io/

Education	
The University of Washington	2014 – 2020
Ph. D. in Computer Science	
Advised by Dieter Fox and Ali Farhadi	
The University of Washington	2016
Masters in Computer Science	
Washington University in St. Louis	2010 – 2014
Bachelor of Science in Computer Science	
Second Major in Entrepreneurship	
Summa Cum Laude – GPA: 3.96, Engineering Class Rank: 8/323 Undergraduate Research Advised by Robert Pless	
Ondergraduate Research Advised by Robert Fless	
<u>Publications</u>	
Watching the World Go By: Representation Learning from Unlabeled Videos Daniel Gordon, Kiana Ehsani, Dieter Fox, Ali Farhadi	Arxiv 2020
What Can You Learn from Your Muscles? Learning Visual Representations from Human Interactions Kiana Ehsani, Daniel Gordon, Thomas Nguyen, Roozbeh Mottaghi, Ali Farhadi	Arxiv 2020
Rana Erisari, Barier Gordon, Thomas 14gayen, 10025en Motagni, 1111 Tarradi	
ALFRED: A Benchmark for Interpreting Grounded Instructions for Everyday Tasks Mohit Shridhar, Jesse Thomason, Daniel Gordon, Yonatan Bisk, Winson Han, Roozbeh Mottaghi, Luke Zettlemoyer, Dieter Fox	CVPR 2020
SplitNet: Sim2Sim and Task2Task Transfer for Embodied Visual Navigation Daniel Gordon, Abhishek Kadian, Devi Parikh, Judy Hoffman, Dhruv Batra	ICCV 2019
What Should I Do Now? Marrying Reinforcement Learning and Symbolic Planning Daniel Condon Dieter Fox Ali Forbadi	Arxiv 2018
Daniel Gordon, Dieter Fox, Ali Farhadi	
Shifting the Baseline: Single Modality Performance on Visual Navigation & QA Jesse Thomason, Daniel Gordon, Yonatan Bisk	NAACL 2019 Short
IQA: Visual Question Answering in Interactive Environments Daniel Gordon, Aniruddha Kembhavi, Mohammad Rastegari, Joseph Redmon, Dieter Fox, Ali Farhadi	CVPR 2018
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Received the Nvidia Pioneering Research Award at CVPR 2018

AI2-THOR: An Interactive 3D Environment for Visual AI Eric Kolve, Roozbeh Mottaghi, Daniel Gordon, Yuke Zhu, Abhinav Gupta, Ali Farhadi	Technical Report 2017
Re3: Real-Time Recurrent Regression Networks for Object Tracking Daniel Gordon, Ali Farhadi, Dieter Fox	RA-L 2018
Visual Semantic Planning using Deep Successor Representations Daniel Gordon, Yuke Zhu, Eric Kolve, Dieter Fox, Li Fei-Fei, Abhinav Gupta, Roozbeh Mottaghi, Ali Farhadi	ICCV 2017
Collaborative Rephotography Ruth West, Abby Halley, Daniel Gordon, Jarlath O'Neil-Dunne, Robert Pless	SIGGRAPH 2013 Studio Talks
Collaborative Imaging of Urban Forest Dynamics: Augmenting Rephotography to Visualize Changes over Time Ruth West, Abby Halley, Jarlath O Neil-Dunne, Daniel Gordon, Robert Pless	IS&T/SPIE 2013
Service Co-organizer of 1st Workshop on Visual Understanding Across Modalities and THOR competition http://vuchallenge.org/ Organizer of Deep Learning in Practice Seminar Talk Series https://sites.google.com/cs.washington.edu/deeplearninginpractice/	CVPR 2017 Summer 2017
Work Experience	
Third Wave Automation: Team Lead: Perception and Pallet Manipulation Oversee a team of 5 engineers serving as both a manager and a contributor for several major projects Facilitated cross-team collaboration resulting in doubling the success	June 2020 – Present Jan 2023 – Present
rate of autonomous workflows Tech Lead: Perception • Led a team of 3 engineers working on major features for the core competencies of the product	Jan 2022 – Dec 2022
 Contributed technical design expertise throughout the code stack Pioneered Python type checking throughout the codebase Independent Contributor: Perception 	June 2020 – Dec 2021

Research Intern – A-STAR Team with Dhruv Batra O Conducted research resulting in the ICCV publication "SplitNet: Sim2Sim and Task2Task Transfer for Embodied Visual Navigation" Allen Institute for Artificial Intelligence: Research Intern – PRIOR Team with Roozbeh Mottaghi O Conducted research resulting in the ICCV publication "Visual Semantic Planning using Deep Successor Representations" Google: Software Engineering Intern – Google Maps O Designed and programmed the Street View Time Machine frontend	Winter 2017 Summer 2013,
and Task2Task Transfer for Embodied Visual Navigation" Allen Institute for Artificial Intelligence: Research Intern – PRIOR Team with Roozbeh Mottaghi Oconducted research resulting in the ICCV publication "Visual Semantic Planning using Deep Successor Representations" Google: Software Engineering Intern – Google Maps Designed and programmed the Street View Time Machine frontend	Summer 2013,
Allen Institute for Artificial Intelligence: Research Intern – PRIOR Team with Roozbeh Mottaghi Conducted research resulting in the ICCV publication "Visual Semantic Planning using Deep Successor Representations" Google: Software Engineering Intern – Google Maps Designed and programmed the Street View Time Machine frontend	Summer 2013,
Research Intern – PRIOR Team with Roozbeh Mottaghi	Summer 2013,
 Conducted research resulting in the ICCV publication "Visual Semantic Planning using Deep Successor Representations" Google: Software Engineering Intern – Google Maps Designed and programmed the Street View Time Machine frontend 	
Planning using Deep Successor Representations" Google: Software Engineering Intern – Google Maps Output Designed and programmed the Street View Time Machine frontend	
Software Engineering Intern – Google Maps Designed and programmed the Street View Time Machine frontend	
 Designed and programmed the Street View Time Machine frontend 	
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	Summer 2014
 Increased polish and feature improvement on the new Maps frontend 	
Engineering Practicum Intern – Google Wallet	Summer 2012
 Integrated an autocomplete feature to the Wallet website 	
 Added Google+ profile images and names to various Wallet pages 	
 Created the Wallet dashboard page and recent transaction widget 	
Teaching Experience	
Teaching Assistant at the University of Washington	
Introduction to Deep Learning: Head TA	Fall 2018, Fall 2019
 Wrote Numpy-based Pytorch-like library for deep learning 	
assignments and autograder for grading	
 Managed 5 other TAs and 160 students 	
Teaching Assistant at Washington University in St. Louis	
	ring 2013, Spring 2014
Algorithms and Data Structures	Fall 2013
Logic and Discrete Mathematics	Fall 2012
Introduction to Computer Science	Fall 2010-Spring 2012
Honors and Awards	
NVIDIA Graduate Fellowship (1 of 10 awardees from 230+ applicants)	2019
National Science Foundation GRFP Honorable Mention (Top 1/3 rd of applicants)	2015 and 2016
Wissner-Slivka Fellowship (University of Washington CSE)	2014
Achievement Rewards for College Scientists Fellowship (UW CSE 1 of 2 awardees)	2014-2016
Outstanding Senior Award – Computer Science (Washington University)	2014
	nducted Spring 2014
Upsilon Pi Epsilon (Washington University Top 1/3 rd of CSE Class)	Inducted Fall 2013
Tau Beta Pi (Washington University Top 1/8th of Engineering Class)	Inducted Fall 2012

<u>Patents</u>

Providing a thumbnail image that follows a main image

US Patent 9,934,222

Display screen with graphical user interface or portion thereof

US Patent D780,795

April 3, 2018 March 14, 2017

Technical Skills

Proficient in Python, Java, PyTorch, C++ , TensorFlow, Caffe, Git, HTML, CSS

Capable in Bazel, Matlab, Javascript, Google Closure, Android, PHP, Mercurial, C#, LaTeX

Basic Knowledge CUDA, Objective-C/Cocoa, iPhone, MySQL, C, JQuery, Unix Terminal

Open Source Repositories

VINCE: https://github.com/danielgordon10/vince

Deep Learning Class Numpy Library: https://gitlab.com/danielgordon10/dl-class-2019a

SplitNet: https://github.com/facebookresearch/splitnet

AI-Habitat: https://github.com/facebookresearch/habitat-api

AI2-THOR: https://github.com/allenai/ai2thor

Re3: https://github.com/danielgordon10/re3-tensorflow

Re3-Pytorch: https://github.com/danielgordon10/re3-pytorch IQA: https://github.com/danielgordon10/thor-iqa-cvpr-2018