

Daniel Gordon

xkcd@cs.washington.edu

Education

The University of Washington	2014-Present
Ph. D. student in Computer Science	
The University of Washington	2016
Masters in Computer Science	
Washington University in St. Louis	Graduated May
Bachelor of Science in Computer Science	2014
Second Major in Entrepreneurship	
Summa Cum Laude – GPA: 3.96, Engineering Class Rank: 8/323	

Publications

ALFRED: A Benchmark for Interpreting Grounded Instructions for Everyday Tasks	CVPR 2020
Mohit Shridhar, Jesse Thomason, Daniel Gordon, Yonatan Bisk, Winson Han, Roozbeh Mottaghi, Luke Zettlemoyer, Dieter Fox	
SplitNet: Sim2Sim and Task2Task Transfer for Embodied Visual Navigation	ICCV 2019
Daniel Gordon, Abhishek Kadian, Devi Parikh, Judy Hoffman, Dhruv Batra	
What Should I Do Now? Marrying Reinforcement Learning and Symbolic Planning	2018
Daniel Gordon, Dieter Fox, Ali Farhadi	
Shifting the Baseline: Single Modality Performance on Visual Navigation & QA	NAACL 2019
Jesse Thomason, Daniel Gordon, Yonatan Bisk	Short Paper
IQA: Visual Question Answering in Interactive Environments	CVPR 2018
Daniel Gordon, Aniruddha Kembhavi, Mohammad Rastegari, Joseph Redmon, Dieter Fox, Ali Farhadi	
Received the Nvidia Pioneering Research Award at CVPR 2018	
AI2-THOR: An Interactive 3D Environment for Visual AI	Technical
Eric Kolve, Roozbeh Mottaghi, Daniel Gordon, Yuke Zhu, Abhinav Gupta, Ali Farhadi	Report 2017
Re3: Real-Time Recurrent Regression Networks for Object Tracking	RA-L 2018
Daniel Gordon, Ali Farhadi, Dieter Fox	
Visual Semantic Planning using Deep Successor Representations	ICCV 2017
Daniel Gordon, Yuke Zhu, Eric Kolve, Dieter Fox, Li Fei-Fei, Abhinav Gupta, Roozbeh Mottaghi, Ali Farhadi	

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/>

CVPR 2017

Organizer of Deep Learning in Practice Seminar Talk Series

<https://sites.google.com/cs.washington.edu/deeplearninginpractice/>

Summer 2017

Honors and Awards

NVIDIA Graduate Fellowship

2019

National Science Foundation GRFP Honorable Mention

2015 and 2016

Wissner-Slivka Fellowship

2014

Achievement Rewards for College Scientists (ARCS) Fellowship

2014-2016

Outstanding Senior Award – Computer Science and Engineering

2014

Sigma Xi

Inducted Spring 2014

Upsilon Pi Epsilon

Inducted Fall 2013

Tau Beta Pi

Inducted Fall 2012

Work Experience

Facebook AI Research (FAIR):

Winter 2019

Research Intern – A-Star Team with Dhruv Batra

Allen Institute for Artificial Intelligence:

Winter 2017

Research Intern – Vision Team with Roozbeh Mottaghi

- Conducted research resulting in the paper Visual Semantic Planning using Deep Successor Representations

Google:

Software Engineering Intern – Google Maps

Summer 2013,

- Designed and programmed the Street View Time Machine frontend
- Increased polish and feature improvement on the new Maps frontend

Summer 2014

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

Washington University Department of Computer Science:

Research Assistant for Professor Robert Pless

Fall 2011-
Spring 2014

- Research transfer learning using handwriting recognition data
- Maintain the RePhoto Android app: <http://projectrephoto.com/>
- Find and parse webcam URLs for the AMOS database

iEnable:

iPhone App Programmer

Summer 2011

- Created a location-based to-do list
 - Created a tennis court reservation system
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Teaching Experience

Teaching Assistant at the University of Washington

Introduction to Deep Learning: Head TA

Fall 2018, Fall 2019

- Wrote Numpy-only library for deep learning assignments and autograder for grading
- Managed 5 other TAs and 160 students

Teaching Assistant at Washington University in St. Louis

Introduction to Artificial Intelligence

Spring 2013, Spring 2014

Algorithms and Data Structures

Fall 2013

Logic and Discrete Mathematics

Fall 2012

Introduction to Computer Science

Fall 2010-Spring 2012

Patents

Providing a thumbnail image that follows a main image

April 3, 2018

US Patent 9,934,222

Display screen with graphical user interface or portion thereof

March 14, 2017

US Patent D780,795

Technical Skills

Proficient in: Java, Python, Caffe, TensorFlow, PyTorch, Matlab, Javascript, Google Closure, Git, HTML, CSS

Capable in: Android, C++, PHP, Mercurial, C#,

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

Open Source Repositories

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://gitlab.com/danielgordon10/re3-tensorflow>

IQA: <https://github.com/danielgordon10/thor-iqa-cvpr-2018>
