

Daniel Gordon

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<https://danielgordon10.github.io/>

Education

The University of Washington

2014-Present

Ph. D. student in Computer Science

Expected Graduation May 2020

The University of Washington

2016

Masters in Computer Science

Washington University in St. Louis

Graduated May 2014

Bachelor of Science in Computer Science

Second Major in Entrepreneurship

Summa Cum Laude – GPA: 3.96, Engineering Class Rank: 8/323

Publications

Watching the World Go By: Representation Learning from Unlabeled Videos

Arxiv 2020

Daniel Gordon, Kiana Ehsani, Dieter Fox, Ali Farhadi

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

Arxiv 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

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

IS&T/SPIE

2013

Ruth West, Abby Halley, Jarlath O'Neil-Dunne, Daniel Gordon, Robert Pless

Service

Co-organizer of 1st Workshop on Visual Understanding Across Modalities and THOR competition

CVPR 2017

<http://vuchallenge.org/>

Organizer of Deep Learning in Practice Seminar Talk Series

Summer 2017

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

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

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

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

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>
