

Matt Wallingford

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EDUCATION

UNIVERSITY OF WASHINGTON

2019-Present

PhD in Computer Science

CORNELL UNIVERSITY

2013-2019

Master of Science in Computer Science, May 2019

Bachelor of Arts in Mathematics (minor in physics and computer science), May 2017

PUBLICATIONS AND RESEARCH

Are we Overfitting to Experimental Setups in Recognition?

Matthew Wallingford, Aditya Kusupati, Keivan Alizadeh-Vahid*, Aaron Walsman, Aniruddha Kembhavi, Ali Farhadi*
arXiv:2007.02519 (Under Review), 2020

RoboThor: An Open Simulation-to-Real Embodied AI Platform

Matt Deitke, Winson Han*, Alvaro Herrasti*, Aniruddha Kembhavi*, Eric Kolve*, Roozbeh Mottaghi*, Jordi Salvador*, Dustin Schwenk*, Eli Vanderbilt*, **Matthew Wallingford***, Luca Weihs*, Mark Yatskar*, Ali Farhadi*
Conference on Computer Vision and Pattern Recognition, 2020

Few-Shot Semantic Segmentation

Masters Thesis (2019) – Advised by Bharath Hariharan

My thesis which explored semantic segmentation in a supervision constrained setting. Specifically, I developed a new method for learned data augmentation for segmentation and a few-shot transductive technique which improved performance over known baselines.

ML for High Energy Physics

Undergraduate Research (2017) – Advised by Kilian Weinberger

A project that probed the feasibility of ML in identifying particle collisions of interest from the Large Hadron Collider.

* - equal contribution

PROFESSIONAL EXPERIENCE

MICROSOFT

Seattle, WA

Software Engineering Intern – Azure Analytics Team

May – Aug 2018

- Developed and deployed an anomaly detection system for user traffic to identify system failures in Azure.

WESTERN DIGITAL

Irvine, CA

Data Analytics Intern

May – Aug 2016

- Designed and deployed a data pipeline and analytics platform for hard drive factory data.

LASERFICHE

Long Beach, CA

Data Analytics Intern

May – Aug 2015

- Developed predictive models in Python to estimate customer lifetime value and analyzed key factors in customer retention.

Software Development Intern

May – Aug 2014

- Worked in C# with .NET to interface SQL databases with web applications.