

Matt Wallingford

Seattle, Washington
(714)-352-1146
mcw244@cs.washington.edu

EDUCATION

UNIVERSITY OF WASHINGTON

PhD in Computer Science
GPA: 3.85

2019-Present

CORNELL UNIVERSITY

Master of Science in Computer Science, May 2019
Bachelor of Arts in Mathematics, May 2017

Sept 2013-May 2019

PUBLICATIONS

In the Wild: From ML Models to Pragmatic ML Systems

Under Review (Neurips 2020)

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

Conference on Computer Vision and Pattern Recognition (2020)

OTHER RESEARCH

Low-Shot Semantic Segmentation

Masters Thesis – Advised by Bharath Hariharan

I investigate novel techniques for performing semantic segmentation given limited training examples.

Sept 2018 – Present

Adversarial Robustness of Bayesian GANs

Graduate Research Project

I evaluated the robustness of the Bayesian GAN against a range of adversarial attacks and investigated how various objective functions affected a GAN's adversarial robustness.

Sept 2017 – Dec 2017

Supervised Learning in High Energy Physics

Undergraduate Research – Advised by Kilian Weinberger

A pilot project to determine the effectiveness of supervised machine learning in identifying particle collisions from the Large Hadron Collider.

Sept 2016 – May 2017

PROFESSIONAL EXPERIENCE

MICROSOFT

Software Engineering Intern

- Developed and deployed an anomaly detection system from in order to detect issues in the Azure sign-in service
- Deployed a pilot recommendation system for Azure cloud services that recommends groups to join for Azure users

Seattle, WA

May – Aug 2018

WESTERN DIGITAL

Data Analytics Intern

- Designed and implemented a data pipeline for hard drive field data. The pipeline consisted of retrieving field data from multiple cloud storage systems, preprocessing it, and running various models to determine the likelihood of failure.

Irvine, CA

May – Aug 2016

LASERFICHE

Data Analytics Intern

- Developed predictive models in Python to estimate customer lifetime value and rate of customer loss

Long Beach, CA

May – Aug 2015

Software Development Intern

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

May – Aug 2014