William Y. Lee

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EDUCATION

Swarthmore College (B.A., Computer Science) *Class of 2020*
GPA: 3.87, Phi Beta Kappa

WORK EXPERIENCE

Behavior Prediction, Waymo *August 2020 - Present*

— Machine learning for behavior prediction at Waymo (formerly Google's self-driving car project).
— Advance the state of the art of machine learning and deep learning to predict the future behavior of other vehicles, cyclists, and pedestrians on the road.
— Led the transition to the next-generation behavior prediction tech stack on Waymo's trucks.

INTERNSHIP EXPERIENCE

Behavior Prediction, Waymo *Summer 2019*

— Developed machine learning models for the Waymo driver (formerly Google's self-driving car project) on the behavior prediction team.
— Internship featured on Waymo's public blog.

Search Relevance, Salesforce *Summer 2018*

— Redesigned the search metrics pipeline for Salesforce Search using Splunk and Hadoop.
— Data analysis on terabyte-scale logs to develop high quality metrics measuring Salesforce Search's performance.

Laboratory for Advanced Sensing, NASA Ames *Summers 2016 and Summer 2017*

— Designed and implemented a computer vision alignment pipeline to fully georectify 4k drone footage onto NASA satellite imagery.
— Implemented a sliding window CNN using Keras to classify coral reef morphology.
— Developed a entropy-based adaptive gaussian blur module for NASA's stereogammetry suite.

ACADEMIC EXPERIENCE

St. Anne's College, University of Oxford Visiting student at the University of Oxford for the 2018–2019 academic year in the mathematics and computer science departments. Includes graduate level coursework in Advanced Machine Learning and Randomized Algorithms.

Research Assistant, Biomedical Machine Learning Lab Research assistant working with Professor Ameet Soni on weakly supervised learning. Established baselines (class activation maps), conducted literature review, and implemented state-of-the-art techniques in weakly supervised object localization. Finetuned models to the CheXpert Chext X-ray prediction task.

COURSEWORK

University of Oxford	Advanced Machine Learning, Probability & Computing, Probability, Artificial Intelligence, Statistics
Swarthmore College	Machine Learning, Computer Vision, Bioinformatics

SKILLS

Python, PyTorch/TensorFlow, C++, Java, OpenCV, SciPy, Hadoop/Splunk, Linux, SQL