## Marc Finzi

	Education
2019 - Now	Ph.D. in Computer Science, NYU Courant, NYC Supervised by Andrew Gordon Wilson
2017 - 2019	Masters in Operations Research, Cornell, Ithaca, NY Supervised by Andrew Gordon Wilson
2013 - 2017	B.S. Physics, Harvey Mudd College, Claremont, CA, GPA: 3.7
	Experience
Summer 2021	<ul> <li>Deep Learning Research Intern at NVIDIA, Lidar Perception</li> <li>Improving object detection from Lidar point clouds</li> </ul>
Summer 2020	Research Intern at Qualcomm, with Max Welling  O Developed probabilistic numeric convolutional neural networks, culminating in a patent application and ICLR2021 paper.
Summer 2019	Applied Scientist intern at Amazon  o Applying deep learning methods for ranking and recommendation
2015 - 2017	<ul> <li>Undergraduate Thesis in Physics, Tom Donnelly's lab, Harvey Mudd College</li> <li>Led three-man HMC team at UT Austin to conduct laser physics experiment</li> </ul>
Summers 2014, 2015	<b>Applied Physics Intern at NASA</b> , <i>Alexander Kutyrev's lab</i> , NASA Goddard Space Flight Center • Embedded systems programming, analogue and digital circuit design, PCB design, computer vision
	Technical Skills
	Advanced Machine Learning Systems, Computer Vision, Bayesian Machine Learning, Topics in ML optimization Numerical Analysis for Data Science, Approximate Dynamic Programming, Algorithms, Stochastic Processes
	Python: 30k+ LoC, C++: 4k+ LoC, LATEX. AISTATS 2019, ICML 2019, NeurIPS 2019, ICLR 2020, NeurIPS 2020
	Publications
NeurIPS 2021	Residual Pathway Priors for Soft Equivariance Constraints  Marc Finzi*, Greg Benton*, Andrew Gordon Wilson
ICML 2021	A Practical Method for Constructing Equivariant Multilayer Perceptrons for Arbitrary Matrix Groups Marc Finzi, Max Welling, Andrew Gordon Wilson
ICML 2021	SKIing on Simplices: Kernel Interpolation on the Permutohedral Lattice for Scalable Gaussian Processes Sanyaam Kapoor*, Marc Finzi*, Ke Alexander Wang, Andrew Gordon Wilson
ICLR 2021	Probabilistic Numeric Convolutional Neural Networks  Marc Finzi, Roberto Bondesan, Max Welling
NeurIPS 2020	Simplifying Hamiltonian and Lagrangian Neural Networks via Explicit Constraints Marc Finzi*, Ke Alexander Wang*, Andrew Gordon Wilson
NeurIPS 2020	Learning Invariances in Neural Networks from Training Data Greg Benton, Marc Finzi, Pavel Izmailov, Andrew Gordon Wilson
ICML 2020	Generalizing Convolutional Neural Networks for Equivariance to Lie Groups on Arbitrary Continuou Data
	Marc Finzi, Samuel Stanton, Pavel Izmailov, Andrew Gordon Wilson
ICML 2020	Semi-Supervised Learning with Normalizing Flows Pavel Izmailov, Polina Kirichenko, Marc Finzi, Andrew Gordon Wilson
ICLR 2019	There Are Many Consistent Explanations of Unlabeled Data: Why You Should Average Ben Athiwaratkun, Marc Finzi, Pavel Izmailov, Andrew Gordon Wilson

## Awards

2021 Jacob T. Schwartz Fellowship