

Alek Dimitriev

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Experience

Machine Learning Engineer, Google

Improving and simplifying large language model training

Austin, TX

2022 – present

Education

PhD, Machine Learning – University of Texas at Austin

Department of Information, Risk, and Operations Management

Austin, TX

2017 – 2022

MSc, Computer Science – University of Ljubljana

Faculty of Computer and Information Science

Ljubljana, Slovenia

2014 – 2016

BSc, Computer Science – University of Ljubljana

Faculty of Computer and Information Science

Ljubljana, Slovenia

2011 – 2014

Publications

NeurIPS 2021

Alek Dimitriev & Mingyuan Zhou – CARMS: Categorical-Antithetic-REINFORCE Multi-Sample Gradient Estimator

ICML 2021

Alek Dimitriev & Mingyuan Zhou – ARMS: Antithetic-REINFORCE-Multi-Sample Gradient for Binary Variables

Expertise

Python: JAX, Tensorflow, PyTorch, Pandas, Numpy, Scikit-learn

Other languages: R, Go, Git

Domains: machine learning, deep learning, natural language processing, probabilistic models, Bayesian statistics, discrete gradient optimization

Awards

Charnes Fellowship	2021
Wadsworth-Sheng Scholarship	2019
McCombs Dean's Fellowship	2018
Graduate School Recruitment Fellowship	2017
American Slovenian Education Foundation Fellowship	2016
University of Ljubljana, President's Commendation (top 0.1% of students)	2016
Faculty of Computer Science, Dean's Commendation (top 1% of students)	2015
Valedictorian, <i>Orce Nikolov</i> High School	2011