Christopher Bender

chrisbender@berkeley.edu /ChrisBender

EDUCATION

UC Berkeley, 2021
Pure Math and CS, Double Major
GPA: 3.77
Accel Scholar

COURSEWORK

Courses in **bold** are graduate-level.

CS 61B	Data Structures
CS 61C	Machine Structures
CS 162	Operating Systems
CS 170	Algorithms
CS 189	Machine Learning
CS 280	Computer Vision
CS 294-112	Deep RL
CS 294-158	Unsupervised Learning
CS 294-162	Systems for ML
EECS 127	Optimization
EECS 219C	Formal Methods
Stat 210A	Theoretical Statistics
Math 136	Incompleteness
Math H104	Honors Real Analysis
Math H110	Honors Linear Algebra
Math H185	Honors Complex Analysis

SKILLS

Python	Vim	Tmux
PyTorch	AWS	Git
TensorFlow	LaTeX	Unix

PUBLICATIONS

Synthetic Datasets for Neural Program Synthesis, Shin et. al. **ICLR 2019** and **NAMPI Workshop** at ICML 2018.

Leveraging Unlabeled Data for Watermark Removal of Deep Neural Networks, Chen et. al. **SPML Workshop** at ICML 2019.

EXPERIENCE

Tesla | Machine Learning Internship | Jun 2020 - Aug 2020

- Working in Autopilot for Summer 2020.

Datu | Machine Learning Research Internship | Jan 2020 - Present

- Seed-stage startup democratizing AI with auto-generated ML pipelines. Founded by Prof. Trevor Darrell and his students.
- Investigating active learning and semi-supervised learning strategies for label-efficient training.

Nuro | Machine Learning Internship | May - Aug 2019

- SoftBank-funded Series B startup building self-driving vehicles for goods delivery.
- Worked as a ML research intern, studying learned video compression for low-latency teleoperation.

Machine Learning at Berkeley | President | Jan 2018 - Present

- Student organization working on ML industry consulting, research projects, and educational initiatives.
- Current president of ML@B. Previously, co-instructed a 150-person ML course and led ML@B's research arm.

Stability of GAN Metrics | Research | Sep 2019 - Present

- Working under Prof. Dawn Song and PhD student Richard Shin on stability and robustness of various GAN metrics.

Neural Network Watermarking | Research | Feb 2019 - Sep 2019

- Working under Profs. Dawn Song and Bo Li on adversarial vulnerabilities of neural network watermarking schemes.
- Published at the 2019 ICML SPML workshop.

Neural Program Synthesis | Research | Jan 2018 - May 2019

- Worked under Prof. Dawn Song and PhD student Richard Shin on synthetic dataset generation for robust generalization of neural program synthesis models.
- Published at ICLR 2019 and the 2018 ICML NAMPI workshop.

Walmart Labs | Machine Learning Internship | May - Aug 2018

- Worked on information retrieval and semantic metric learning for Walmart's integration with the Google Home.

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