

Christopher Bender

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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 Autopilot | Perception Internship | Jun 2020 - Aug 2020

- Worked on evaluation frameworks for Autopilot.

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 - May 2020

- Student organization working on ML industry consulting, research projects, and educational initiatives.
- Former 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.