Mike Wu

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Education

Yale University
B.S. Computer Science
Distinction in the Major
Yale College Council
Class of 2016

Stanford University
Ph.D. Computer Science
Karr Family Fellow (SIGF)
NSF Graduate Research Fellow
Class of 2022

Honors

Education Data Mining 2020 Best Paper Award (first author)
AAAI 2019 Outstanding Student Paper Award (first author)
AMIA CRI 2017 Informatics Runner-up
AngelHack 2018 1st place, API World Hackathon 2017 1st place, HackMIT 2018 Top 8 hacks

Professional

Foundation Capital
Palo Alto, CA
Intern 2020 - Present

Intern under Li Sun and Steve Vassallo. Assist with deep dives and due diligence on AI startups.

Facebook Research
Menlo Park, CA
Research Engineer 2016 - 2017

Part of the applied machine learning (AML) team. Worked on computer vision projects to enable engineers to easily train powerful vision models.

Lattice Data
Menlo Park, CA
Software Engineer 2016

Startup acquired by Apple. Worked on projects to leverage weak supervision algorithms to build classifiers from noisy labels on unstructured data.

YHack
New Haven, CT
Co-Founder 2013-2016

Founded one of the largest international collegiate hackathons. Raised over 200K yearly to bring students to Yale for a 48 hour hackathon. (**yhack.org**)

Ionis Pharmaceuticals
Carlsbad, CA
Data Science Intern 2013

Built machine learning models to predict effectiveness of RNA-targeted ("antisense") therapeutics.

Research

Worked in multiple labs across academic institutions on machine learning and probabilistic models. Published over **20 papers** at top AI conferences and journals.

Yale Statistics
PI: Jessi Cisewski
Topic: Astrostatistics
2015-2016

Harvard SEAS
PI: Finale Doshi-Velez
Topic: AI in healthcare
2016-Present

Oxford AI Lab
PI: Frank Wood
Topic: Inference (PPL)
2015-2018

Stanford Cocolab
PI: Noah Goodman
Topic: Generative Models
2017-Present

Selected Papers

Wu, Mike, et al. "Conditional Negative Sampling for Contrastive Learning of Visual Representations." Submitted to ICLR (2020).
Wu, Mike, et al. "Variational Item Response Theory: Fast, Accurate, and Expressive." Education Data Mining (2020).
Wu, Mike, et al. "Meta-Amortized Variational Inference and Learning." AAAI (2020).
Wu, Mike, Noah Goodman, and Stefano Ermon. "Differentiable antithetic sampling for variance reduction in stochastic variational inference." AISTATS (2019).
Wu, Mike, and Noah Goodman. "Multimodal generative models for scalable weakly-supervised learning." NeurIPS (2018).
Wu, Mike, et al. "Beyond sparsity: Tree regularization of deep models for interpretability." AAAI (2017).
Wu, Mike, et al. "Understanding vasopressor intervention and weaning: Risk prediction in a public heterogeneous clinical time series database." JAMIA (2017).