Mike H. Wu

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Education

Yale University ‘16
B.S. Computer Science
Distinction in the Major
Yale College Council

Stanford University ‘22
M.S., Ph.D. Computer Science
Advised by Noah Goodman
Karr Family Fellow (SIGF)
NSF Graduate Research Fellow

Honors

Botha-Chan Innovation Fellow (2021), Pear VC Fellow (2020), IDEO Colab Fellow (2019)
Education Data Mining 2020 Best Paper Award (first author)
AAAI 2019 Outstanding Student Paper Award (first author)
AMIA CRI 2017 Informatics Award Runner-up
Outstanding Course Assistant Award (2021)
AngelHack 2018 1st place, API World Hackathon 2017 1st place, HackMIT 2015 Top 8 hacks
Reviewer for ICML 2021, NeurIPS 2021, ICLR 2022

Projects

Tutela
tutela.xyz
Co-Founder 2021-2022

Tutela.xyz is an Ethereum and Tornado Cash anonymity detection tool, built as a response to a Tornado Cash community grant. Tutela uses data and ML to measure what users reveal through on-chain behavior.

YHack
yhack.org
Co-Founder 2013-2016

Founded one of the largest international collegiate hackathons. Raised 200K yearly to bring students to Yale for a 48 hour hackathon.

Professional

Co:rise
corise.com
Course Instructor 2022

Co-launched a 4-week MLOps course on co:rise with Andrew Maas where students develop and deploy a ML system for a real world application.

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.

Ionis Pharmaceuticals
Carlsbad, CA
Data Science Intern 2013

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

Press

New York Times *Can A.I. Grade Your Next Test?* (2021)
Stanford News *First-of-its-kind Stanford machine learning tool…* (2021)
The Stanford AI Lab Blog *Meta-Learning Student Feedback to 16,000 Solutions* (2021)
Crypto @ Stanford *Will, Kaili, Mike: Tutela* (2022)

Select Papers

Researched in AI labs at Stanford, Harvard, Oxford, and Yale. Published **over 20 papers** at top AI conferences.

Wu Mike, et al. “Improving Compositionality of Neural Networks by Decoding Representations to Inputs.” NeurIPS (2021).
Wu Mike, et al. “Optimizing for Interpretability in Deep Neural Networks with Simulable Decision Trees.” JAIR (2021).
Wu, Mike, et al. "Conditional Negative Sampling for Contrastive Learning of Visual Representations." 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 VI." 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).