DYAH ADILA

CONTACT INFORMATION	*E-mail:* adila@wisc.edu *Website:* dyahadila.github.io	

EDUCATION	**University of Wisconsin - Madison**, United States *Doctor of Philosophy (Computer Science)* • Advisor: Fred Sala	**Sep 2021 - Present**
	University of Minnesota - Twin Cities, United States *Master of Science (Computer Science)* (CGPA: 4.0/4.0) • Advisor: Ju Sun • Thesis: Machine Learning for COVID-19 Identification.	**Sep 2019 - May 2021**
	Nanyang Technological University (NTU), Singapore *Bachelor of Engineering (Electrical and Electronic Engineering)*	**Aug 2013 - Jun 2017**

CONFERENCE & JOURNAL PUBLICATIONS

M. Chen*, D. Fu*, **Dyah Adila**, M. Zhang, F. Sala, K. Fatahalian, C. Ré, *Shoring Up the Foundations: Fusing Model Embeddings and Weak Supervision*, in Uncertainty in Artificial Intelligence (UAI), 2022. **Oral presentation (best student paper runner-up)**. [Paper] [Code]

N. Roberts*, X. Li*, B. Huang, **Dyah Adila**, S. Schoenberg, C. Liu, L. Pick, H. Ma, A. Albarghouthi, F. Sala, *AutoWS-Bench-101: Benchmarking Automated Weak Supervision with 100 Labels*, in Neural Information Processing Systems (NeurIPS), 2022. [Paper] [Code] [Blog]

PRE-PRINTS

Dyah Adila, C. Shin, L. Cai, F.Sala, *Zero-Shot Robustification of Zero-Shot Models With Foundation Models*, under review, 2023. [Paper] [Code] [Blog]

WORKSHOP PUBLICATIONS

Dyah Adila, S. Cromp, S. Mo, F. Sala, *Causal Omnivore: Fusing Noisy Estimates of Spurious Correlations*, in ICML 2022 Workshop on Spurious Correlations, Invariance, and Stability. [Paper] [Code]

Dyah Adila, and Dongyeop Kang, *Understanding Out-of-distribution: A Perspective of Data Dynamics*, in NeurIPS 2021 Workshop: I Can't Believe It's Not Better!, PMLR 2022. [Paper]

AWARDS	**UAI Best Student Paper Runner-up**	2022
	NTU President Research Scholar	2016

EXPERIENCE	**University of Wisconsin-Madison, USA** *Research Assistant* • Ph.D. research in Machine Learning advised by Fred Sala.	**Aug 2021 - Present**
	Amazon Web Services AI, USA *Applied Scientist Intern*	**Sep 2023 - Present**
	University of Minnesota, USA *Research Assistant* • Developed a rapid diagnostic model for COVID-19 in chest X-rays and built GAN for data augmentation to tackle class imbalance. • Press coverage: [Link 1] [Link 2] [Link 3]	**May 2020 - May 2021**

Traveloka, Indonesia   **Jul 2017 - Jul 2019**

Software Engineer

- Led the development of company-wide React Native user interface library (runs on Android and iOS), which speed up development time by 2x.
- Built Traveloka's customer-facing and business-facing mobile applications.

JPMorgan Chase, Singapore   **May 2016 - Jul 2016**

Software Engineer Intern

- Built a real-time log monitoring tool to keep track of daily transactions using Java.
- Built an API for multiple currency transfer application.

Seagate Technology, Singapore   **Jan 2016 - May 2016**

Research Engineer Intern

- Built a continuous integration framework to automate Seagate's build and test pipelines.

TECHNICAL SKILLS
- **Competent:** Python, PyTorch, TensorFlow, Java, Unix, Google Cloud Platform, JavaScript
- **Familiar:** SQL, AWS, Apache Spark