

Ron Yifeng Wang

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Education

Stanford University

M.S. Computer Science

GPA: 3.90/4.00

Sep 2024 - Expected Jun 2026

- **AI Coursework:** Graph Machine Learning
- **Systems Coursework:** Operating Systems, Parallel Computing, Computer Networking

University of California, Berkeley

B.A. Computer Science with Honors, Data Science, Economics

GPA: 3.93/4.00

August 2020 - May 2024

- **AI Coursework:** Algorithms, Artificial Intelligence, Game Theory, Machine Learning, Computer Vision, Natural Language Processing, Optimization Models for Engineering, Adv Data Science, Probability
- **Systems Coursework:** Data Structures, Machine Structures, Database Systems, Computer Security, Software Engineering

Publications

The Streaming Batch Model for Efficient and Fault-Tolerant Heterogeneous Execution

Frank Luan, Ziming Mao, Ron Yifeng Wang, Charlotte Lin, Amog Kamsetty, Hao Chen, Cheng Su, Balaji Veeramani, Scott Lee, SangBin Cho, Clark Zinzow, Eric Liang, Ion Stoica, Stephanie Wang

In *Submission*, <https://arxiv.org/abs/2501.12407>

Service & Activities

2024 Artifact Evaluation Committee, 23rd USENIX Conference on File and Storage Technologies (FAST '25)

Experience

Sky Computing Lab, Berkeley EECS

Undergraduate Researcher, PI: Frank Luan, Ion Stoica

Nov 2023 - Present

Berkeley, CA

- Wrote end-to-end ML experiments to evaluate the performance of common distributed computing and streaming frameworks, including Ray Data, tf.data, PyTorch Dataloader, Apache Spark, and Apache Flink, on AWS instances.
- Contributed to the data module of the open-source Ray project, improving image loading throughput by 22%.

UC Berkeley College of Computing, Data Science, and Society

Teaching Assistant (6.62/7.00 rating), Tutor

Jun 2021 - Dec 2023

Berkeley, CA

- TA for Data 101, Data Engineering (Fall 2023); TA for Data C8, Intro DS (Summer 2022, Fall 2022).
- Taught weekly sections discussing fundamental concepts in data engineering, DBMS, and the whole data science life cycle; developed and refactored course infrastructure; managed grading of 280+ students.

UC Berkeley Economics Department

Research Assistant

Jun 2023 - Aug 2023

Berkeley, CA

- Trained, fine-tuned, and deployed machine-learning classifiers, including Naive Bayes and a tailored transformer-based model (BERT), for an NLP task that classified patent abstracts from the Google Patents Public Dataset.

Projects

statpass - Intramural sports iOS app

Typescript, React Native, Tamagui, Cloud Firestore, Expo

Jun 2023 - Oct 2023

- As founding software engineer, coordinated with 6 team members to successfully complete multiple user story-driven features and launch the MVP on the App Store (<https://statpass.app/>), reaching 90+ users in three weeks.
- Prototyped UI/UX designs with Figma and built components with Typescript, React Native, and Tamagui; designed database schemas and implemented internal CRUD APIs.
- Selected into the Microsoft for Startups program and awarded \$25,000 in Azure credit.

Skills

Languages Python, Java, C/C++, Go, JavaScript/TypeScript, React.js/Native

Tools PyTorch, Ray, Apache Flink/PyFlink, Sklearn, AWS, Azure, SQL, MongoDB