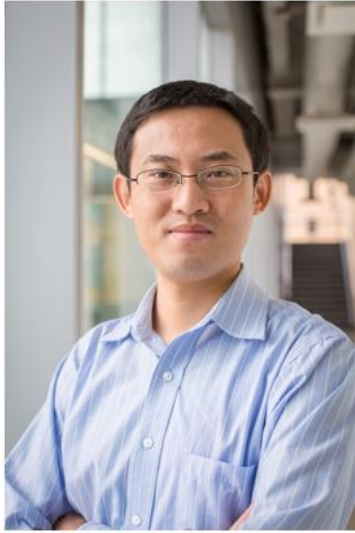# Potential Universities/Professors for ML Systems Collaboration

Infrastructure Software

Prof. Dong Li

Associate Professor

Computer Science and Engineering

University of California, Merced

Research Topics:
- **Memory-centric system optimization for machine learning training and inference**
- **System support for big, heterogeneous memory platforms**
- **Scientific machine learning**

https://faculty.ucmerced.edu/dong-li/

Prof. Ana Klimovic

Assistant Professor

Department of Computer Science

ETH Zurich

Research Topics:
- **Computer System Design for Machine Learning**
- **Machine Learning for Computer System Optimization**
- **Serverless Computing: A New Wave of Cloud Computing**

https://anakli.inf.ethz.ch/

FUTUREWEI
Technologies

Prof. Anshumali Shrivastava

Associate Professor

Department of Computer Science

Rice University

Research Topics:
- **Large-Scale Machine Learning**
- **Scalable and Sustainable Deep Learning**
- **Randomized Algorithms for Big-Data, Graph Minig**

https://www.cs.rice.edu/~as143/

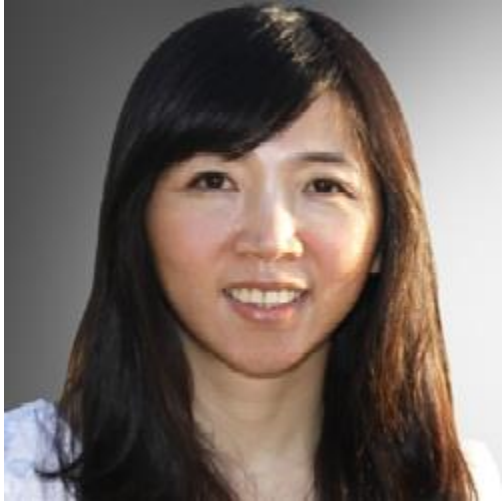

Prof. Arvind Krishnamurthy (+ Luis Ceze)

Professor

School of Computer Science & Engineering

University of Washington

Research Topics:
- **Systems for Machine Learning**
- **Distributed Systems for the Datacenter**
- **Programmable Networks**

https://www.cs.rice.edu/~angchen/

FUTUREWEI
Technologies

Prof. Yingyan Lin

Assistant Professor

Electrical and Computer Engineering

Rice University

Research Topics:
- **Machine Learning**
- **Energy- and Time-Efficient Systems**

https://profiles.rice.edu/faculty/yingyan-lin

Prof. Ang Chen

Assistant Professor

Department of Computer Science

Rice University

Research Topics:
- **ML for Systems Software**
- **Infrastructure Optimizations for Data-Intensive Systems**
- **Causality in Distributed Systems**

https://www.cs.rice.edu/~angchen/

FUTUREWEI
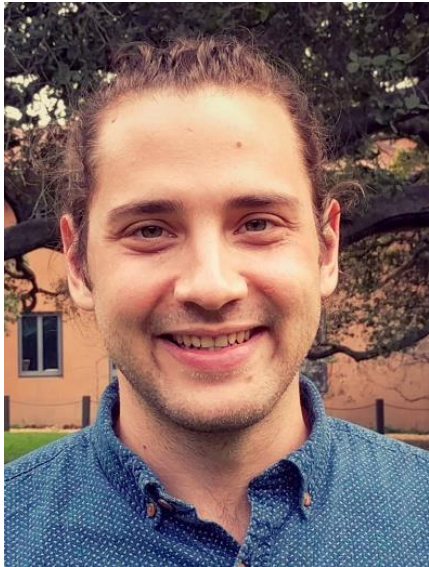*Technologies*

Prof. Xiang Chen

Assistant Professor

College of Engineering and Computing

George Mason University, Virginia

Research Topics:
- **Artificial Intelligence Systems: System Design and System Deployment/Optimization, AI Algorithms**
- **Distributed and Large-Scale Computing Systems and Architectures**

https://volgenau.gmu.edu/profiles/xchen26

Prof. Dimitris Papailiopoulos

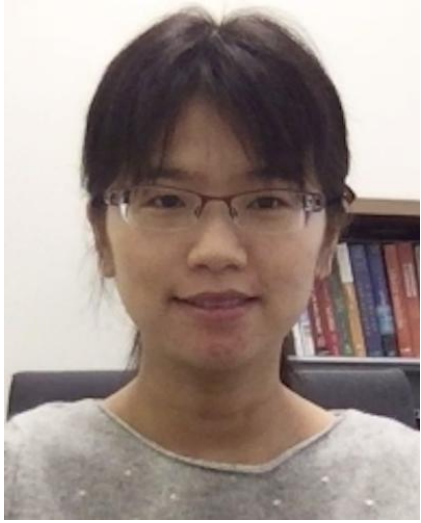*Associate Professor*

Electrical and Computer Engineering

University of Wisconsin-Madison

Research Topics:
- ***Machine Learning***
- ***Parallel and Distributed Systems and Algorithms***

https://directory.engr.wisc.edu/ece/Faculty/Papailiopoulos_Dimitris/

FUTUREWEI
Technologies

Prof. Yufei Ding

Assistant Professor

Department of Computer Science

University of California, Santa Barbara

Research Topics:
- **Algorithms used in Machine Learning, Deep Learning, High-Performance Applications**

https://www.cs.ucsb.edu/people/faculty/yufei-ding

Prof. Minlan Yu

Professor

School of Engineering and Applied Sciences

Harvard

Research Topics:
- **Distributed Systems**
- **Enterprise and Data Center Networks**

http://minlanyu.seas.harvard.edu/

FUTUREWEI
Technologies

Prof. Danyang Zhuo

Assistant Professor

Department of Computer Science

Duke University

Research Topics:
- **Machine Learning Systems**
- ***Datacenter and Cloud Computing***

https://danyangzhuo.com/

Prof. Shan Lu

Professor

School of Engineering and Applied Sciences

University of Chicago

Research Topics:
- ***Computer Systems***
- ***Program Analysis***
- ***Software Reliability***

http://people.cs.uchicago.edu/~shanlu/

FUTUREWEI
Technologies

Prof. Ryan Stutsman

Associate Professor

School of Computing

University of Utah

Research Topics:
- **Distributed Systems**
- **Operating Systems**
- **Distributed In-Memory Storage Systems**

https://faculty.utah.edu/u0982239-Ryan_Stutsman/hm/index.hml

Prof. Khuzaima Daudjee

Professor

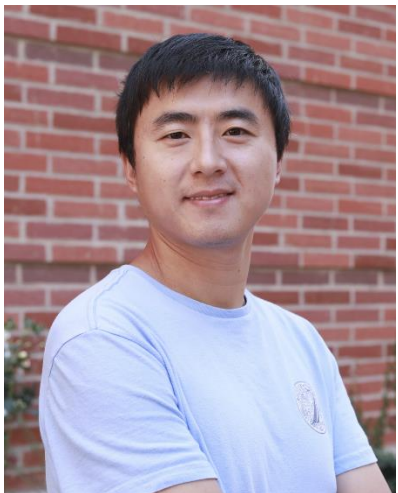*Cheriton School of Computer Science*

University of Waterloo

Research Topics:
- ***Building large-scale distributed systems, storage and infrastructure in the cloud and on modern hardware***
- ***Data Management & Software Reliability***

http://people.cs.uchicago.edu/~shanlu/

FUTUREWEI Technologies

Prof. Harry Xu

Professor

Computer Science Department

University of California, Los Angeles

Research Topics:
- **Programming Languages & Compilers**
- **Distributed Systems and Computer Architecture**
- **Cloud Infra for AI/ML**

https://web.cs.ucla.edu/~harryxu/

Prof. Tamara Broderick

Associate Professor

ML Group

MIT

Research Topics:
- ***Complex Data Analysis Procedures***
- ***Machine Learning and Statistics***

https://tamarabroderick.com/

FUTUREWEI
Technologies

Prof. Yuanzhi Li

Assistant Professor

Machine Learning Department

CMU

Research Topics:
- **Algorithms**
- **Complexity and Analysis for ML**

https://www.andrew.cmu.edu/user/yuanzhil/

Prof. Tianqi Chen

Assistant Professor

Machine Learning Department

CMU

Research Topics:
- ***Machine Learning and Systems***
- ***Compiler and Optimizations***

Impact works: TVM, MxNet,

https://tqchen.com/

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