

# THANK YOU TO OUR PARTNERS & SPONSORS!

Partners



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## DEMYSTIFYING DEEP LEARNING & ARTIFICIAL INTELLIGENCE

July 21st - 23rd, 2017  
Oakland, CA



## LOCATION & REMINDERS

**FRIDAY** NextSpace | Berkeley, CA | <http://nextspace.us/>

**SATURDAY & SUNDAY** Meritt College: Building P

Oakland, CA | <http://www.merritt.edu/> | Park in Lot C

- Intro Sessions: room P307
- Advanced Sessions: room P203
- Mixed Sessions: room P307

- You must bring your own laptop to participate in the workshops.
- Please have Python, Numpy, Scikit Learn & Tensorflow pre-installed on your machine. If you need support installing these packages, please come to the Install Session on Friday night.
- Breakfast, Lunch, & light refreshments are included.



# SCHEDULE

## FRIDAY

6:00	Check-in & Networking
6:30	Optional Software Download and Install Session
8:30	Wrap Up

## SATURDAY

	INTRO SESSION (P307)	ADVANCED SESSION (P203)
9:00	Check-in & Breakfast	
9:30	Opening Remarks (P307)	
10:00	Intro to Machine Learning with George McIntire	Why AI Works: A math and computer science free explanation for the AI explosion with Monica Anderson
11:00	Algorithm Co-Lab with Laura Montoya (P307)	
12:00	Lunch	
1:00	Nontraditional AI Career Path: career changes in very different fields with Melanie Warwick	Beyond Booking Flights and Picking Pants: Designing conversational bots for motivation and long-term engagement with Kayla Matheu
1:30	Data Cleaning in Python with Kristin Henry	
2:00	Hands on Intro to Pytorch with Abhishek Sharma	How Computers Learn to Read with Word Embeddings with Rachel Thomas
3:00		Molecular Machine Learning with Bharath Ramsundar
3:30		
4:00		

## SUNDAY

	INTRO SESSION: P307	ADVANCED SESSION: P203
9:00	Check-in & Breakfast	
9:30	Opening Remarks (P307)	
10:00	Visual Understanding with Omar Florez	Deep Learning with GPUs on the Cloud for \$1 with Chandan Maruthi
10:30	Building Chatbots with Michael Khait	Can a machine control the human body? with Lukasz Kidzinski, PhD
11:00	Introduction to Representational Learning: Using Deep Learning to augment human comprehension with Nathaniel Tucker	AI in Robotics with Carlos Uranga
11:30	Generating Text with Recurrent Neural Networks using Keras with Melissa Roemmele	Ethics in AI Rountable Discussion with Laura Montoya
12:00	Lunch	
1:00	Future Communities and Smart Villages with Marques Anderson and Maria Carolina Fujihara (P307)	
2:30	Lightning Talks (P307)	
4:00	Closing Remarks	

### Lightning Talks

30 min	Representing and mining multisource, multimodal and heterogeneous data with Ben-Manson Toussaint, PhD
10 min	Product-market fit for AI startups with Masha Kubyshina
10 min	Data Visualization with Kristin Henry
10 min	How to make money on Ebay using Natural Language Processing with Lingqiang Kong, PhD
10 min	Personalization redefined through Machine Learning with Sudha Subramanian
10 min	Machine Learning Tools with Pankaj Kumar
10 min	Educating AI with Laura Montoya

### PREREQUISITIES

**Intro Sessions** - No previous technical experience or training required.

**Advanced Sessions** - Working knowledge of Python programming language as well as a solid understanding of linear algebra.