Let’s Work Together on the Future of AI

Reinforcement Learning  Natural Language Processing  Computer Vision  Deep Learning
About Salesforce Research

Salesforce Research advances AI techniques that pave the path for new AI research directions, innovative products and applications with a positive impact on society. Our team of researchers, engineers, product managers, and designers drive AI innovation across pure research, applied research, and new product incubation- all built on our powerful AI platform. We bring companies and customers together using AI that is explainable, transparent, and accountable.

As part of our team you’ll learn unique skills, work with talented people, influence the industry standard for fair and ethical use of artificial intelligence and help us to shape the future of AI.

Locations

Palo Alto and Salesforce Research Asia in Singapore!

Learn more at einstein.ai
Our Focus Areas

- Natural Language Processing
- Deep Learning Fundamentals
- Computer Vision
- Reinforcement Learning
- Recommendation Systems
- Big Data
- Conversational AI
- Speech Recognition & Text-to-Speech
- Ethics in AI
- Explainable AI

Areas of Application

- AI for Good
- AI for Medicine
- AI for Economics
- Business Analytics
Our Work

EMNLP Accepted Long Papers

1. Universal Natural Language Processing with Limited Annotations: Try Few-shot Textual Entailment as a Start
   Wenpeng Yin, Nazneen Fatema Rajani, Dragomir Radev, Richard Socher and Caiming Xiong

2. TOD-BERT: Pre-trained Natural Language Understanding for Task-Oriented Dialogue
   Chien-Sheng Wu, Steven C.H. Hoi, Richard Socher and Caiming Xiong

3. Evaluating the Factual Consistency of Abstractive Text Summarization
   Wojciech Kryscinski, Bryan McCann, Caiming Xiong, Richard Socher

4. Probing Task-Oriented Dialogue Representation from Language Models
   Chien-Sheng Wu and Caiming Xiong

5. Mind Your Inflections! Improving NLP for Non-Standard Englishes with Base-Inflection Encoding

6. Response Selection for Multi-Party Conversations with Dynamic Topic Tracking
   Weishi Wang, Shafiq Joty, and Steven C.H. Hoi

7. VD-BERT: A Unified Vision and Dialog Transformer with BERT
   Yue Wang, Shafiq Joty, Michael R., Irwin King, Caiming Xiong, and Steven C.H. Hoi

8. Discern: Discourse-Aware Entailment Reasoning Network for Conversational Machine Reading
   Yifan Gao, Chien-Sheng Wu, Jingjing Li, Shafiq Joty, Steven C.H. Hoi, Caiming Xiong, Irwin King, and Michael Lyu

   Hung Le, Doyen Sahoo, Nancy Chen and Steven C.H. Hoi

10. UniConv: A Unified Conversational Neural Architecture for Multi-domain Task-oriented Dialogues
    Hung Le, Doyen Sahoo, Chenghao Liu, Nancy Chen and Steven C.H. Hoi

11. Discriminative Nearest Neighbor Few-Shot Intent Detection by Transferring Natural Language Inference
    Jianguo Zhang, Kazuma Hashimoto, Wenhao Liu, Chien-Sheng Wu, Yao Wan, Philip Yu, Richard Socher and Caiming Xiong
Our Work

**EMNLP Accepted Short Papers**

12. The Thieves on Sesame Street are Polyglots: Extracting Multilingual Models from Monolingual APIs  
   Nitish Shirish Keskar, Bryan McCann, Caiming Xiong and Richard Socher

13. Simple Data Augmentation with the Mask Token Improves Domain Adaptation for Dialog Act Tagging  
   Semih Yavuz, Kazuma Hashimoto, Wenhao Liu, Nitish Shirish Keskar, Richard Socher and Caiming Xiong

**EMNLP Accepted Long Paper - Findings**

14. Bridging Textual and Tabular Data for Cross-Domain Text-to-SQL Semantic Parsing  
   Victoria Lin, Richard Socher, Caiming Xiong

15. Improving Limited Labeled Dialogue State Tracking with Self-Supervision  
   Chien-Sheng Wu, Steven C.H. Hoi, and Caiming Xiong

16. Composed Variational Natural Language Generation for Few-shot Intents  
   Congying Xia, Caiming Xiong, Philip Yu and Richard Socher

**Accepted Workshop**

17. IntEx-SemPar: 1st Workshop on Interactive and Executable Semantic Parsing  
   Ben Bogin, Srinivasan Iyer, Victoria Lin, Alane Suhr, Panupong Pasupat, Pengcheng Yin, Tao Yu, Rui Zhang, Victor Zhong, Dragomir Radev, Caiming Xiong
Our Roles
(Based in Palo Alto & Singapore. 2021 Internships will be remote.)

Research Scientist,
Salesforce Research
Discover new research problems, develop new models, design careful experiments and advance the future of AI. We believe that making substantive progress on hard applications can drive and sharpen the research questions we study, and, in turn, scientific breakthroughs can spawn entirely new applications.

Applied Scientist,
Salesforce Research
Be at the intersection of software engineering and cutting-edge research in machine learning and artificial intelligence. Make an impact ranging from implementing research models to building rapid-prototype demos that show off applications of deep learning on production data.

Ph. D. Intern,
Salesforce Research
Our Ph. D. internship offers eligible Ph. D./MS candidates in a relevant research area an opportunity to work with a team of research scientists and engineers on projects that can lead to a submission to top-tier conferences. We look for candidates with strong backgrounds in deep learning, machine learning, natural language processing, and related fields. Location: Palo Alto & Singapore.

Lead Applied Scientist,
Salesforce Einstein
Be at the intersection of software engineering and cutting-edge research in machine learning and artificial intelligence. Make an impact ranging from implementing research models to building rapid-prototype demos that show off applications of deep learning on production data. Salesforce is looking for Lead Applied Researchers (NLP/Conversational AI) with strong publication track record and/or experience in productizing cutting-edge NLP/Conversational AI research. You will work on cutting-edge AI research and build products used by millions of people every day.

Learn more at einstein.ai/careers
Our Research Areas

We research and develop AI to create breakthrough technologies for our company, our customers, and the world.

Our guiding principles for research are tightly aligned with Salesforce’s core values: Trust, Innovation, Customer Success and Equality. We apply our values to our primary focus of open-sourcing cutting edge research that impacts the AI community internally at Salesforce and externally for the world. Our research areas listed below give an intro to some of our amazing projects.

**Econ AI**
Building the AI Economist, a new way to do economics and public policymaking with deep reinforcement learning, economic simulations, and real-world economic data.

**Biomedical AI**
Developing AI for prostate and breast cancer therapeutic decision-making, and for discovering novel therapies for COVID-19.

**Robust NLP**
We push the envelope of NLP research with robustness and ethics as our guiding principles.

**AI Ops**
and build products used by millions of users.

**Conversational AI**
and build products used by millions of users.

**Sample Efficient Learning**
Develop machine learning methods that are sample efficient.

**Business Insights**
Develop recommendation models and explainable insights to provide right information to right people at the right time.

**Vision**
Harnesses computer vision to solve an array of use cases using pre-trained classifiers or custom models.

**Language**
Utilizes natural language processing to analyze intent and sentiment to better understand customer needs.

**Ethical AI**
Developing fair, transparent, and accountable AI.
Why Salesforce?

Founded in 1999, Salesforce pioneered the revolutionary idea of replacing traditional desktop CRM software with CRM in the cloud, making it accessible anytime from anywhere. Today, our innovative cloud platform is the world’s #1 CRM solution, with more than 150,000 companies blazing trails to success with us.

The way we behave – with integrity, transparency, alignment, and accountability – builds trusted relationships. We believe that companies can do well and do good in the world. We know the technology is not inherently good or bad – it’s what we do with it that matters. And that’s why we’re making the ethical and humane use of technology a strategic initiative at Salesforce.

Learn more at salesforce.com

Collaborate with us at:

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ONE OF THE WORLD’S
BEST WORKPLACES
3 YEARS IN A ROW
Great Place to Work, 2019

NAMED ONE OF
THE WORLD’S MOST
INNOVATIVE COMPANIES
Forbes, 2019

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