

# IBM Research AI Residency Program



The IBM Research™ AI Residency Program is a 13-month program that provides opportunity for scientists, engineers, domain experts and entrepreneurs to conduct innovative research and development on important and emerging topics in Artificial Intelligence (AI). The program aims at creating and investigating novel approaches in AI that progress capabilities towards significant technical and real-world challenges. AI Residents work closely with IBM Research scientists and are expected to fully complete a project within the 13-month residency. The results of the project may include publications in top AI conferences and journals, development of prototypes demonstrating important new AI functionality and fielding of working AI systems.

As part of the selection process, candidates must submit a 500-word statement of research interest and goals.

## Topics of focus include:

- Trust in AI (Causal modeling, fairness, explainability, robustness, transparency, AI ethics)
- Natural Language Processing and Understanding (Question and answering, reading comprehension, language embeddings, dialog, multi-lingual NLP)
- Knowledge and Reasoning (Knowledge/graph embeddings, neuro-symbolic reasoning)
- AI Automation, Scaling, and Management (Automated data science, neural architecture search, AutoML, transfer learning, few-shot/one-shot/meta learning, active learning, AI planning, parallel and distributed learning)
- AI and Software Engineering (Big code analysis and understanding, software life cycle including modernize, build, debug, test and manage, software synthesis including refactoring and automated programming)
- Human-Centered AI (HCI of AI, human-AI collaboration, AI interaction models and modalities, conversational AI, novel AI experiences, visual AI and data visualization)





**Deadline to apply:**

January 31, 2021

**Earliest start date:**

June 1, 2021

**Duration:**

13 months

**Locations:**

IBM Thomas J. Watson Research Center  
Yorktown Heights, New York

IBM Research AI and MIT-IBM Watson® AI Lab  
Cambridge, Massachusetts

IBM Research – Almaden Lab  
San Jose, California

IBM Research – Haifa Lab  
Haifa, Israel

IBM Research – India Lab  
Bangalore, India

If you are interested in being considered for the 2021  
AI Residency Program, please register using the link below:

[www.surveygizmo.com/s3/5636060/  
AIResidency2021RegisterYourInterest](https://www.surveygizmo.com/s3/5636060/AIResidency2021RegisterYourInterest)



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