

# AAAI / ACM: SIGAI

# Job Fair 2023



Hadi Hosseini, Penn State University  
Ferdian Jovan, University of Bristol  
Dor Atzmon, Royal Holloway University of London



**Sony Group Corporation**

**A cross-point between  
you and technology**

# Diverse Business Portfolio

## Electronic Products & Solutions



## Imaging & Sensing Solutions



## Game & Network Services



© Sony Interactive Entertainment Inc. All rights reserved.  
Design and specifications are subject to change without notice.

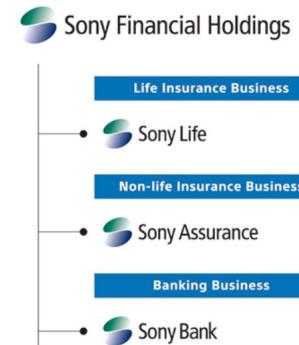
## Music



## Movies



## Finance



# SONY

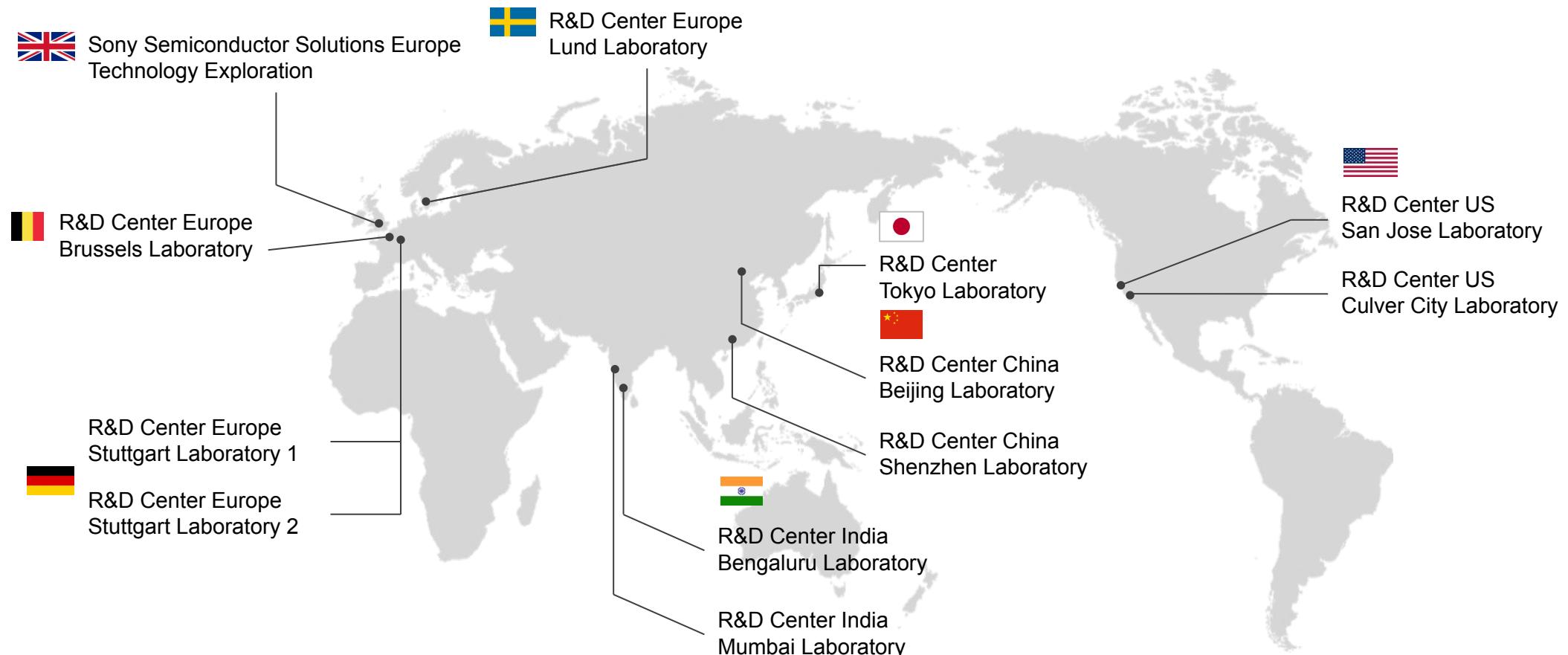
## Group Headquarter Functions and Research & Development

# Full-Time & Internships Offered at AAAI

- Research Scientist for Machine Learning and Causal Inference
- Machine Learning, Software Engineer for Game and Content Creation
- Deep Learning, Researcher/Research Engineer/Software Engineer
- R&D Engineer of Privacy Computing Technology
- R&D engineer of Natural Language Processing (NLP) field
- Research Scientist (AI Ethics)
- Research Scientist - Deep Reinforcement Learning

... and more!

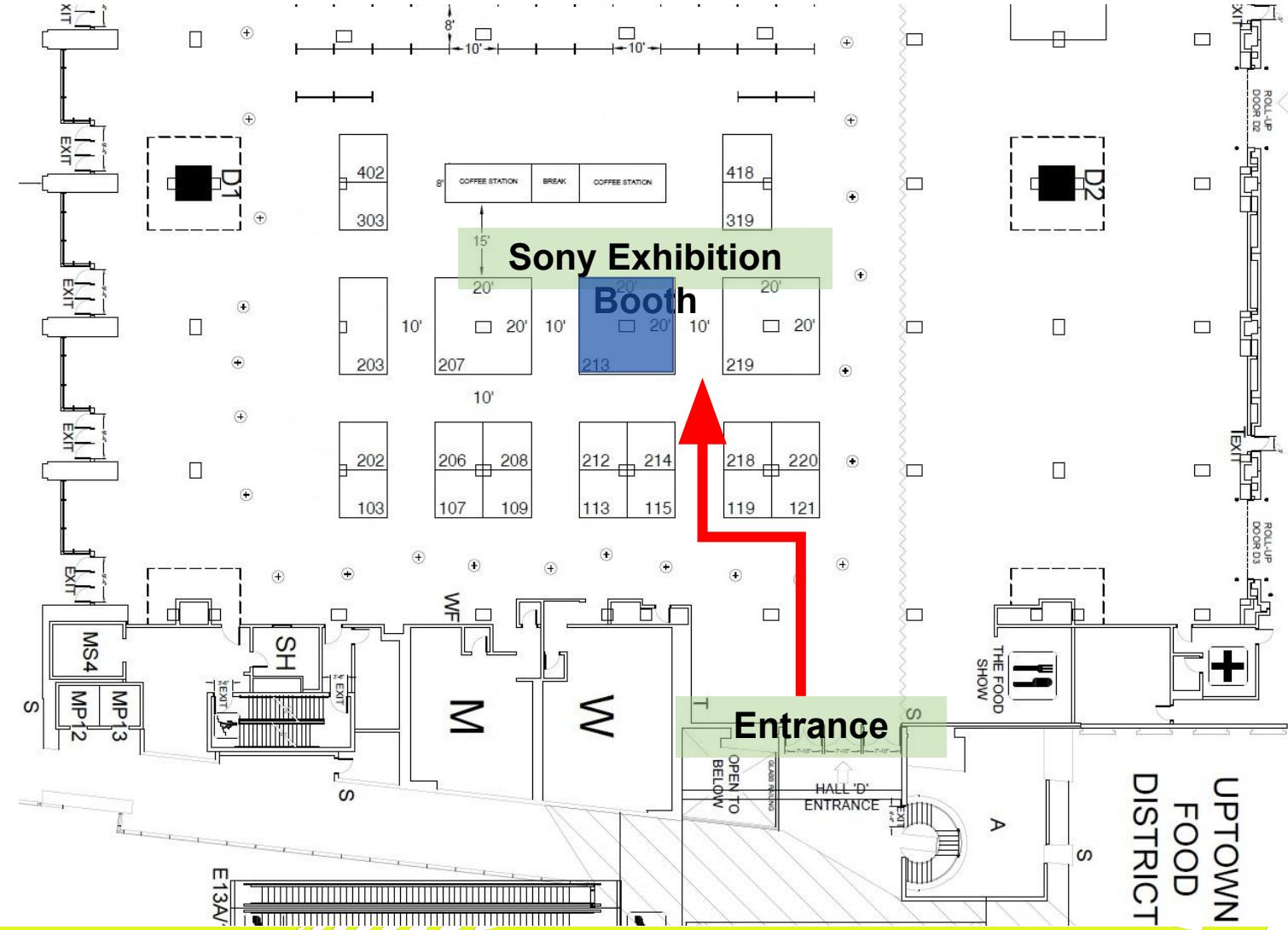
# Sony Group R&D Centers



**Our footprint spans eight countries across the globe.**

**SONY**

# Please visit our Job Fair table and Exhibition Booth!



# AAAI Job Fair

IBM Research



Kush R. Varshney  
Distinguished Research Scientist and Manager

krvarshn@us.ibm.com

IBM

# IBM Research has been at the forefront of AI from its very beginnings.



A 1956 workshop at Dartmouth College is organized by John McCarthy, Marvin Minsky, Nathan Rochester of IBM and Claude Shannon. McCarthy coins the term “artificial intelligence” for the workshop.

In 1959, IBM scientist Arthur Samuel coined the term “machine learning” to refer to computer algorithms that learn from data without following a set of static instructions.

William C. Dersch, an IBM engineer unveiled the Shoebox, a machine that could do simple math calculations via voice commands. Dersch, demonstrated the Shoebox on television and at the 1962 World's Fair in Seattle, Washington.

In 1992, Gerald Tesauro, a scientist at IBM Research, developed TD-Gammon a computer backgammon program.

Deep Blue a chess-playing computer developed by IBM was the first computer to win a chess match against a reigning world champion under regular time controls in 1997.

IBM's Watson, a question-answering computer system capable of answering questions posed in natural language competed on Jeopardy! against champions Brad Rutter and Ken Jennings in 2011, winning the first-place prize of \$1 million.

# We invent what's next in Computing.

For nearly 80 years, IBM Research has been propelling innovation for IBM, from the first programmable computers to the quantum computers of today.

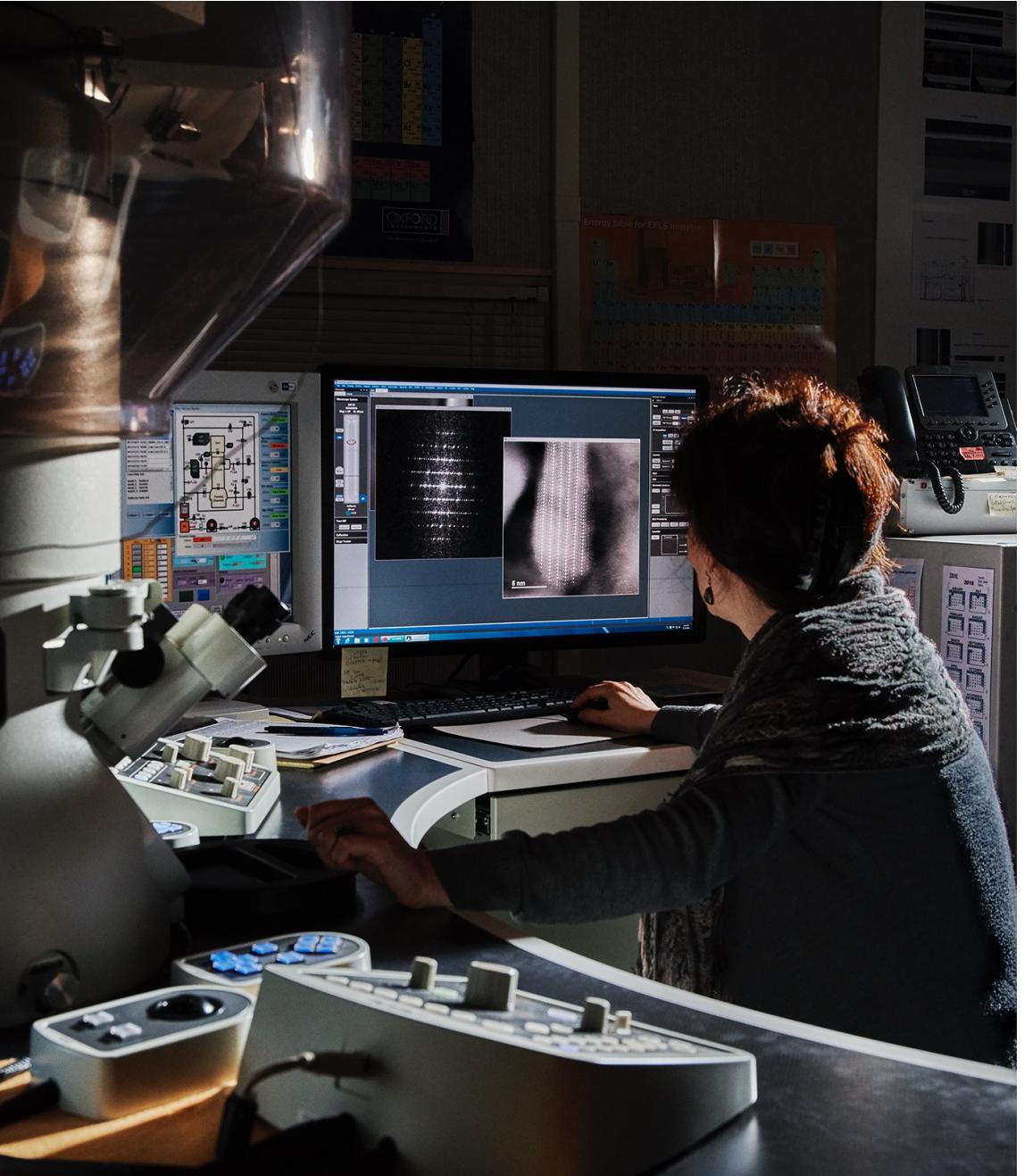
With more than 3,000 researchers across the globe at 17 locations, we are anticipating, examining, and inventing what's next in science and technology every single day.

[research.ibm.com](https://research.ibm.com)

Research

## What's Next in AI

- Foundation Models
- Mastering Language
- Trustworthy AI
- Causality
- Automated AI
- AI for IT
- AI for Accelerated Discovery
- AI Hardware



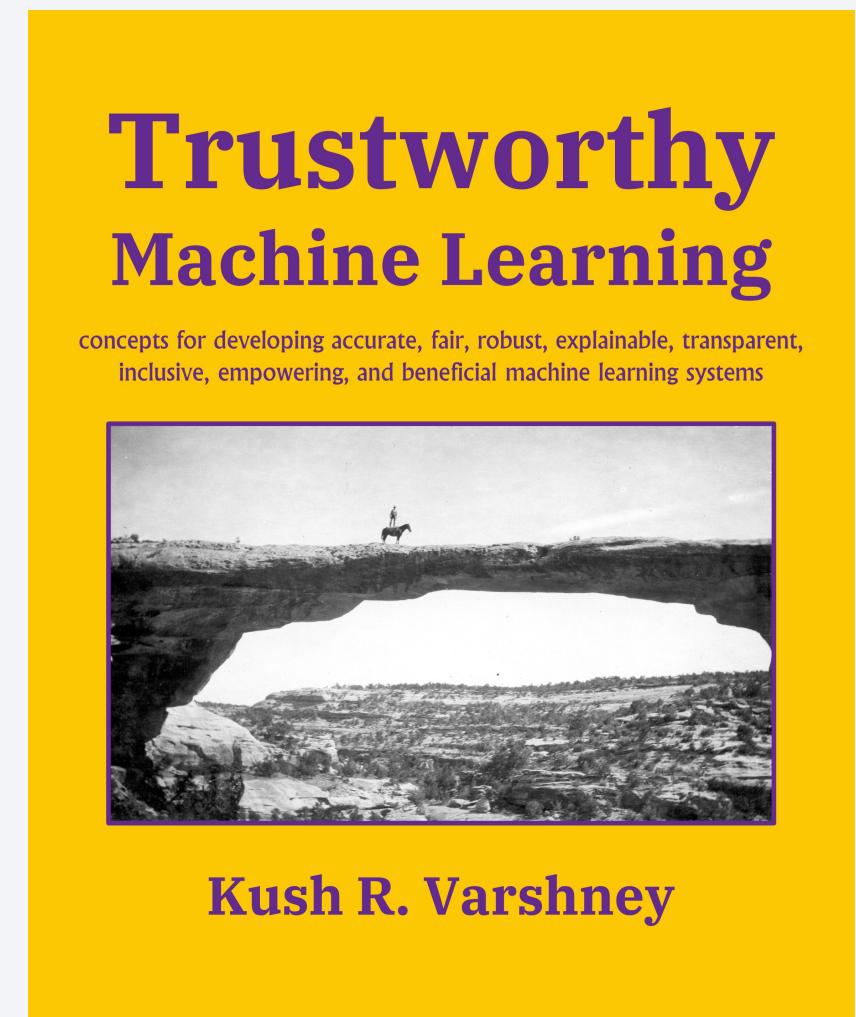
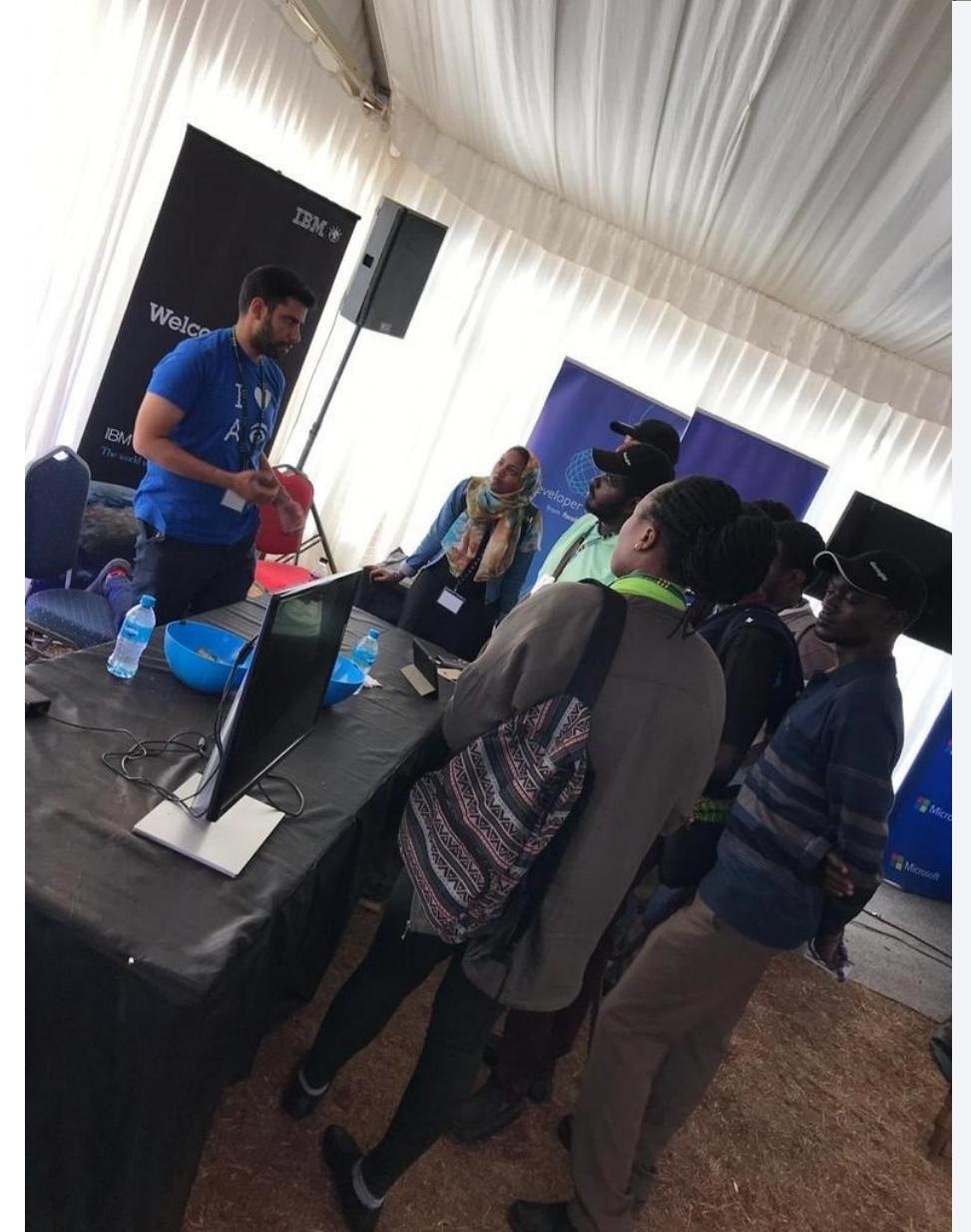
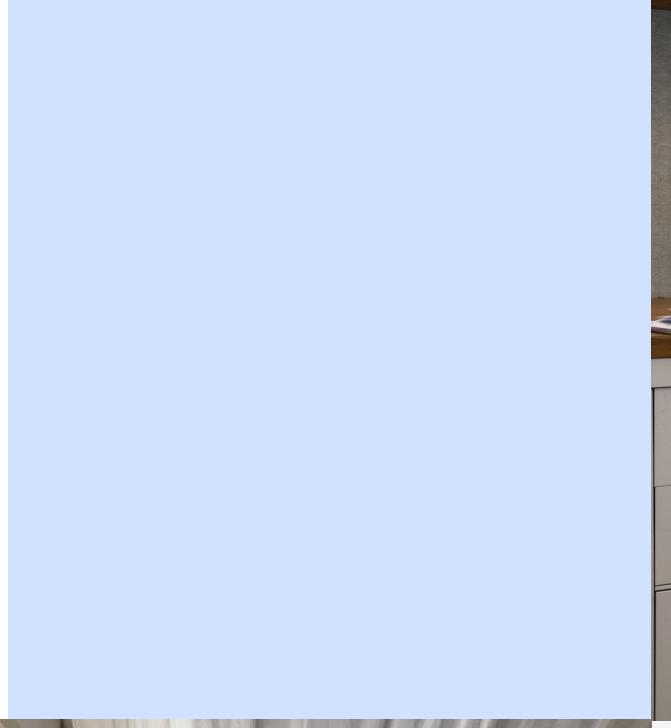
## Lab locations

- Johannesburg
- Nairobi
- Rio de Janeiro
- Sao Paulo
- Bengaluru
- New Delhi
- Dublin
- Haifa
- Shin-Kawasaki
- Tokyo
- Singapore
- Zurich
- Daresbury
- Albany, NY
- Almaden, CA
- Cambridge, MA
- Yorktown Heights, NY

IBM

# All the ways we make impact.

- Collaborate with brilliant and kind researchers
- Collaborate with students and professors
- Conduct scholarly research and publish it in venues such as AAAI
- Write a book
- Create open-source toolkits such as AI Fairness 360, AI Explainability 360, Uncertainty Quantification 360, and AI FactSheets 360
- Push algorithms into software products
- Help non-profits and social enterprises with applied data science projects
- Work with clients in different sectors on their thorniest problems
- Advise government agencies and civil society partners

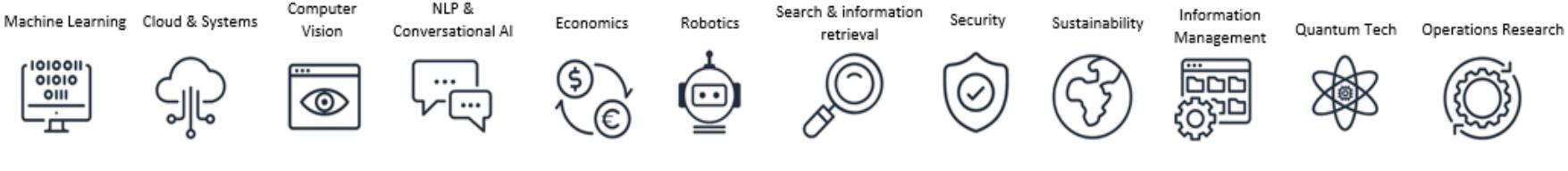


# Science Internship Candidates

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Who are we looking for:

We recruit and hire currently enrolled PhD and Master's students for internship opportunities across all lines of business such as: Amazon Studios and Prime Video, Amazon Web Services (AWS), Consumer, Devices and Services, Human Resources, Operations, etc.



# Science Internship Roles

Role	Data Scientist (DS)	Research Science (RS)	Applied Scientist (AS)
What this role does:	Highly skilled in data and math/stats methods (e.g., scaling, modeling, algorithms). Investigates the feasibility of applying scientific principles and concepts to business problems and products.	Investigates the feasibility of applying scientific principles and concepts to business problems and products. Deep expertise in one of the RS disciplines (e.g., Operation Research, Computer Science, Industrial Engineering, Process design and control , Robotics, Statistics, Applied Mathematics, etc.).	Deep expertise in scientific areas that are data-driven including machine learning, speech recognition, natural language processing, computer vision, knowledge acquisition and robotics.
Work Product:	Analysis of complex datasets to make decisions. Scientific research projects. Creates visualizations to drive data insight or describe an end-to-end system. Develops scalable algorithms and models.	Analysis of complex datasets to make decisions. Scientific research projects. Uses a broad range of data structures and algorithms to quantify business impact. Develops offline code for new stats or operation research applications. (E.g. A/B testing capabilities, forecasting models, inventory ordering models, topology models).	Applies scientific principles to support significant invention. Develops software code and are deeply involved in bringing their algorithms to production. (E.g. recommender systems, classification algorithms)
Coding or Query Languages	Not required, but likely will have experience with a language like SQL	Not required	SQL. Proficient in one scripting language (e.g., Python) and in one software language (e.g., C++, Java)

# Science Internships at Amazon

Master & PhD students spend 12-14 weeks working on impactful projects and can have opportunities to publish papers, and even work on Amazon-Confidential projects!

Each intern is paired with a technical mentor from a research field

## Benefits

- Internship program events
- Professional networking
- Relocation assistance
- Research exposure

Questions? Email: [grad-research-programs@amazon.com](mailto:grad-research-programs@amazon.com)



*Interns attending an after-hours meet-up in downtown Seattle.*

Machine Learning   Cloud & Systems   Computer Vision   NLP & Conversational AI   Economics   Robotics   Search & information retrieval   Security   Sustainability   Information Management   Quantum Tech   Operations Research



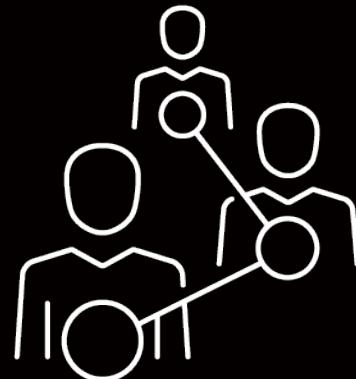
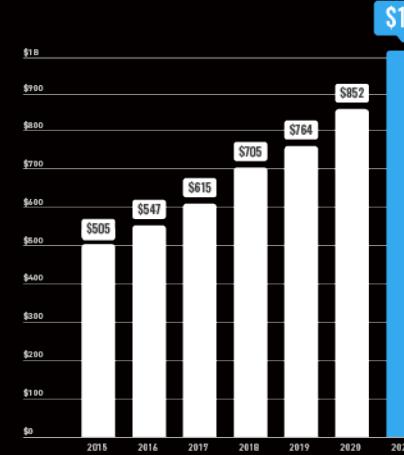
# DATAFORCE

BY TRANSPERFECT



# TRANSPERFECT BY THE **NUMBERS**

**\$1.1**  
BILLION  
AND GROWING



**7,500+**  
GLOBAL  
EMPLOYEES



**6**  
CONTINENTS

**46**  
COUNTRIES

**120+**  
CITIES  
WORLDWIDE

**1992**  
YEAR  
FOUNDED

**29**  
YEARS OF  
GROWTH

**93**  
OF INTERBRAND'S  
**TOP 100** GLOBAL  
BRANDS

**116**  
CONSECUTIVE  
**PROFITABLE**  
QUARTERS

**90%**  
FORTUNE  
500  
COMPANIES

**250**  
LANGUAGES  
SUPPORTED



# A GLOBAL WORKFORCE

---

**1.3 MIL**

ANNOTATORS

**250**

LANGUAGES

Global Footprint: Offices in over 120 cities worldwide

- Low-cost resources at scale
- Native speakers/data contributors
- Highly specialized linguists
- Industry-specific experience

# RECRUITMENT TEAM

- The DataForce recruitment team is located throughout the globe, covering 6 continents.
- Our recruiters come from diversified backgrounds including Crowd, Data Collection, Computational Linguistics, Engineering, AI, Machine Learning, Localization, Professional and Technical recruitment.
- With our global team presence, many of our recruitment team members are multilingual and multicultural, helping strengthen our recruiting capabilities for global markets.

# OPEN POSITIONS

- **PROJECT MANAGER**
- **PROGRAM MANAGER**
- **SOLUTIONS ARCHITECT**
- **PROJECT COORDINATOR**
- **SALES/SALES ASSOCIATE**
- **MACHINE LEARNING ENGINEER**
- **LANGUAGE ENGINEER**

Please visit our table if you are interested in learning more about these, and other positions!

# DATAFORCE

BY TRANSPERFECT



Diana Heppe



Terris Daily

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Senior Director, AI  
[dheppe@transperfect.com](mailto:dheppe@transperfect.com)

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Recruitment Manager, AI  
[tdaily@transperfect.com](mailto:tdaily@transperfect.com)



# AI @ ISI



NATURAL LANGUAGE PROCESSING · INFORMATION INTEGRATION  
DISCOVERY INFORMATICS · DYNAMIC NETWORKS · MACHINE LEARNING

Multilingual Text Mining  
Information Propagation  
Knowledge Engineering  
Geospatial Computing  
Scientific Workflows  
Intelligent Interfaces  
Machine Translation  
Knowledge Capture  
Statistical Inference  
Information Theory  
Knowledge Graphs  
Discourse Analysis  
Sentence Meaning  
Assistive Robotics  
Hybrid Reasoning  
Human Cognition  
Quantum Theory  
Human Behavior  
Text Generation  
Crowdsourcing  
Bioinformatics  
Link Discovery  
Semantic Web  
Decipherment  
Neuroscience  
Data Science  
Social Media  
Linked Data  
Provenance  
Ontologies  
Trust

USC *Information Sciences Institute*

# What Is AI @ ISI?

- 175 Faculty, researchers, staff, and grad students
  - ISI as a whole has 400
- Collaborations with other USC engineering departments and USC's medical school
- We want ISIers to succeed!
  - Career mentoring at all levels
  - Proposal writing workshops, training, support
  - Emphasis on diversity, equity, and inclusion

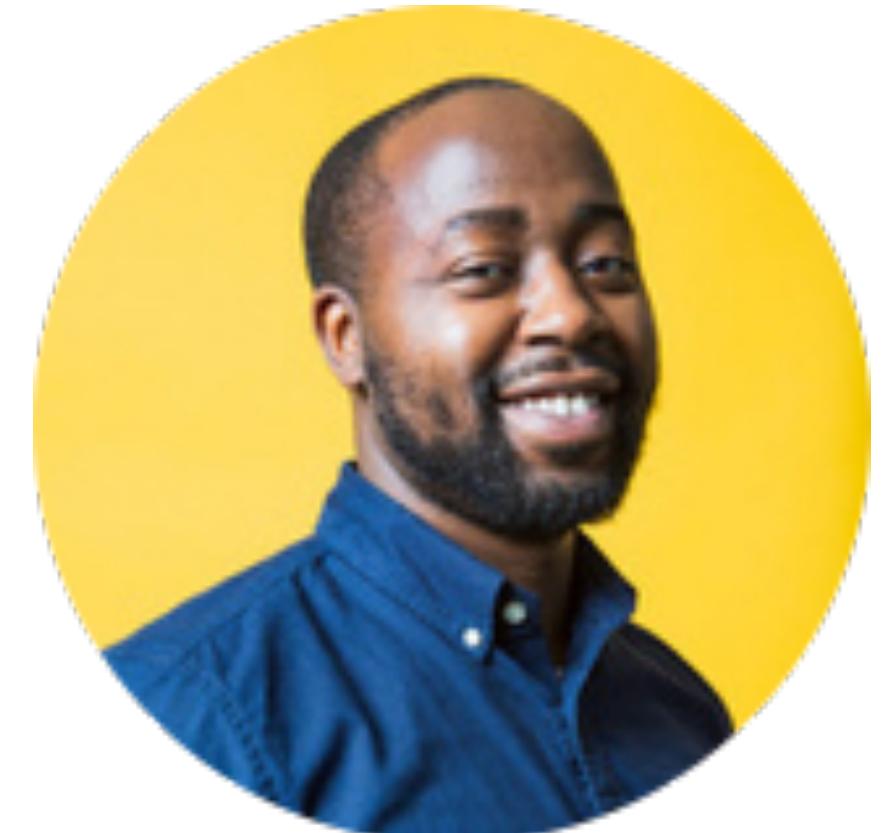


# Who We Want at ISI

- Senior researchers looking for new opportunities
- Junior researchers, just starting out
- Postdocs
- Research programmers and engineers
- Graduate students
- Summer interns: Mostly grad students, but also UGs

Check our website: [www.isi.edu](http://www.isi.edu)

- Faculty appointments possible! CS, EE, ISE, more



# Autonomy, Explainability, Practicality in AI

## Incremental Validation in Unsupervised Learning (UL)

- Assess quality of clustering of new data in real time
- Much faster processing, smaller memory footprint

## Adaptive Resonance Theory (ART)

- The leading engineering research group in ART
- Also faster, smaller memory footprint

## Reinforcement Learning (RL) in Decision and Control

- Dealing with challenging cost function and models
- Hybridization of RL with other techniques

## Explainable Artificial Intelligence (XAI)

- Ontological Reasoning
- Natural Language Processing
- Statistics

**Postdocs:** Multidisciplinary research, proposal development,  
Working with a wide range of faculty and students

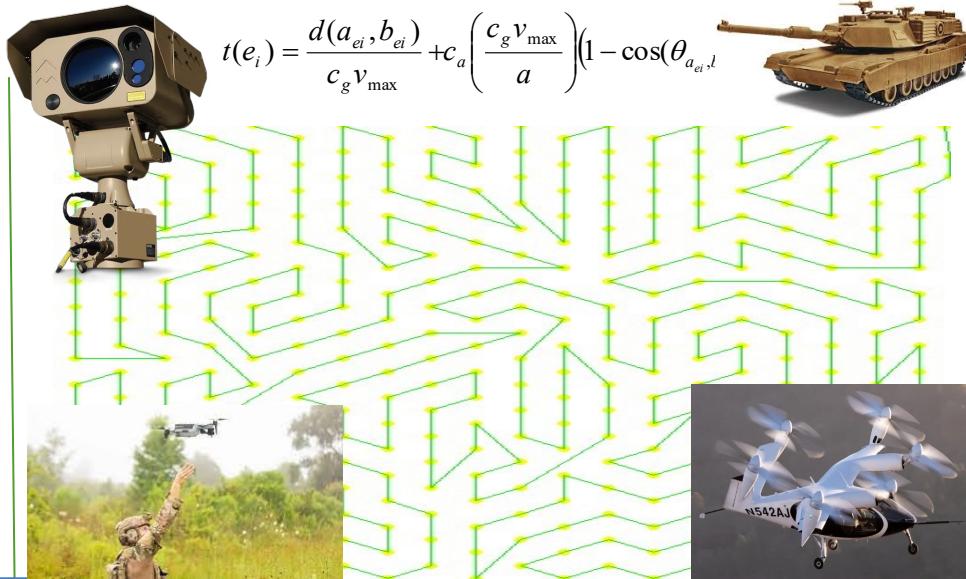
**Ph.D. students:**

Apply first, then reach out to AI faculty at Missouri S&T

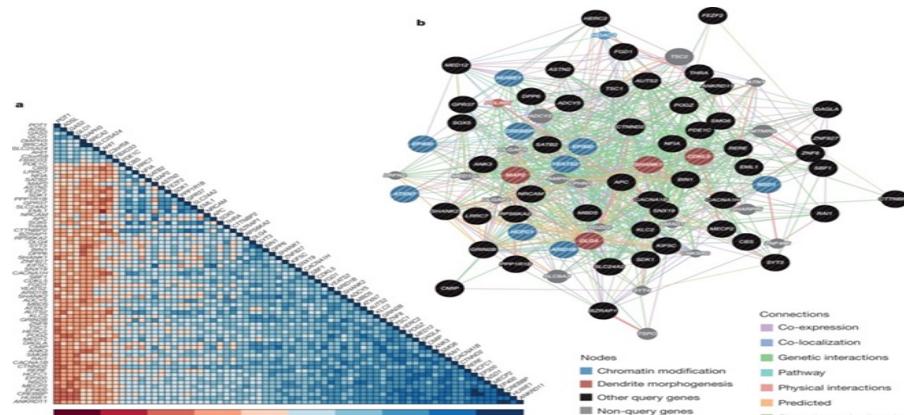
**Faculty:** Hiring now and next year, especially in CS

**Leadership:** KI Directors, especially infrastructure

## Example: Real-time UL and RL enhancing national security



## Example: Natural Language Processing and XAI in Biology and Medicine



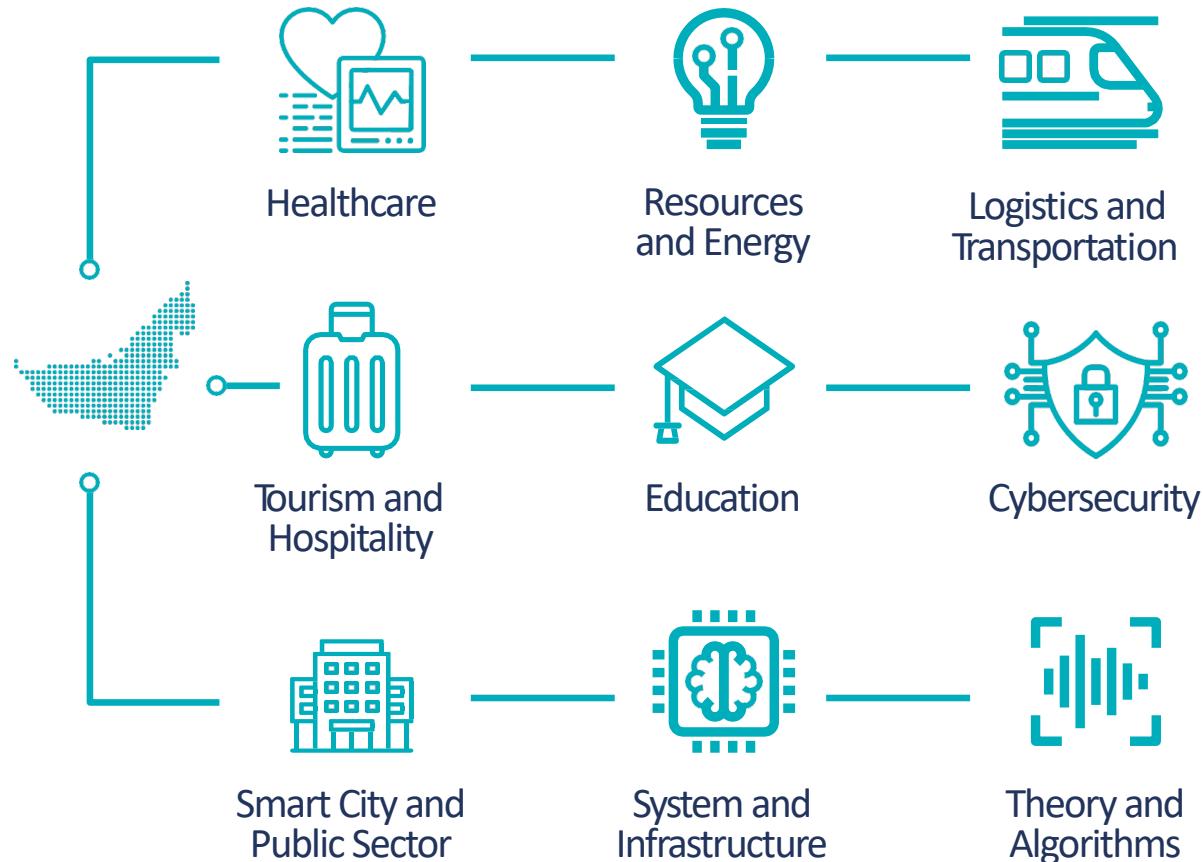


MOHAMED BIN ZAYED  
UNIVERSITY OF  
ARTIFICIAL INTELLIGENCE

# Mohamed bin Zayed University of Artificial Intelligence

# RESEARCH FOCUS AND ACHIEVEMENTS

RESEARCH AREAS STRONGLY ALIGNED WITH THE UAE NATIONAL STRATEGIC INDUSTRIES



## AWARDS

- Best Paper Award, OSDI 2021 (**TOP 1** System conference)
- Best Journal Paper Award, IEEE International Communications Conference, 2021
- Best Paper Award, IEEE VTS LT, 2021



## SERVICES

- Member of Emirates R&D Council (Prof. Xing)
- Member of the UAE Genomics Council (Prof. Xing)
- 2022 ACL PC Chair (Prof. Nakov)
- 2022 UAI PC Chair (Prof. Zhang)
- 2022 ACM TOMM Editor-in-Chief (Prof. Saddik)
- 2022 EMNLP Co-Chair (Prof. Xing)
- 2022 ACL President (Prof. Baldwin)
- 2022 ICML PC Chair (Prof. Song)
- 2023 ACM Multimedia General Chair (Prof. Saddik)

# STUDENT RESEARCH AREAS



- 3D Object Detection (autonomous driving)
- AI for Automated Visual Inspection (detection algorithms to identify panel defects & quantify soiling levels)
- ML methods for unmanned Air Vehicles detection & identification
- Deepfake detection for security & privacy
- 3D data for the task of property prediction
- Computer Vision & deep learning techniques to generate Arabic text in specific handwriting
- Adversarial attacks
- Define vision tasks using simple English sentences
- Vision transformer for fine-grained image classification
- Fore-casting of COVID time-series data
- CV & medical imagery
- Early prediction of diseases
- Automation of medical processes (chest x-ray/diagnosis from medical images)



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UNIVERSITY OF  
ARTIFICIAL INTELLIGENCE

# OUR PROGRAMS

MBZUAI offers MSc and PhD programs in the following areas of AI specialization:

## MSc Programs

Master of Science in Computer Vision  
Master of Science in Machine Learning  
Master of Science in Natural Language Processing

## PhD Programs

Doctor of Philosophy in Computer Vision  
Doctor of Philosophy in Machine Learning  
Doctor of Philosophy in Natural Language Processing

# STAY CONNECTED



Admissions open for Fall 2023 with scholarship package

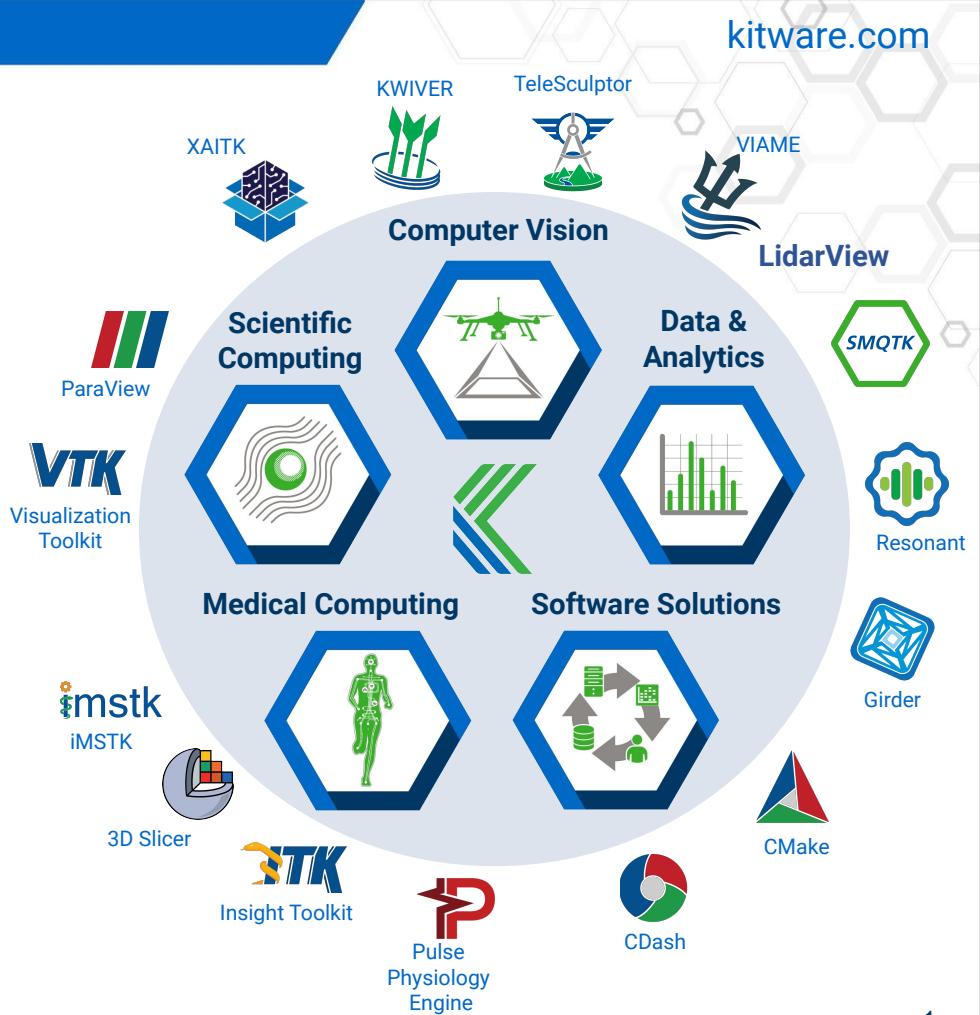
Get in touch with IIE:  
[iie.org/mbzuai](http://iie.org/mbzuai)  
[mbzuai@iie.org](mailto:mbzuai@iie.org)



The Power  
of International  
Education

# Why Kitware?

- Leaders in the world of **open source, AI, and scientific R&D**
- Solve interesting, challenging problems
- Inspiring colleagues and collaborators
- Make a positive impact on the world
- GPTW Certified and 100% Employee Owned



# Kitware's Expertise

Object  
Detection  
and Tracking



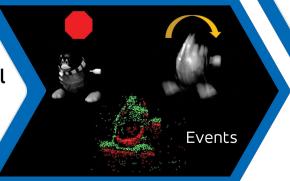
Complex  
Event, Threat,  
and Activity  
Detection



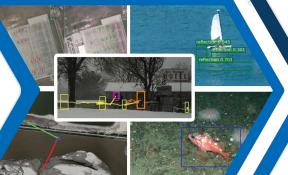
Scene  
Understanding



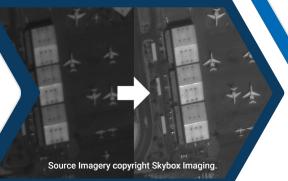
Computational  
Imaging



Deep  
Learning



Super  
Resolution and  
Enhancement

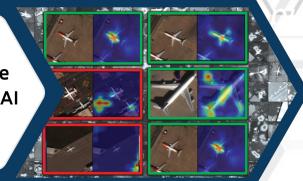


Cyber Physical  
Systems (CPS)



70+ team members  
20+ PhDs  
43+ active projects  
40+ cleared  
Vision-ary since 2007

Explainable  
and Ethical AI



Interactive  
Do-It-Yourself  
AI



Dataset  
Collection and  
Annotation



Space



OSS Toolkits



Air

Land

Sea Surface

Undersea

# Kitware's Computer Vision Positions:

- ◆ 3D Computer Vision Researcher
- ◆ Computer Vision Researcher
- ◆ Computer Vision C++ Developer

Visit [kitware.com/careers](http://kitware.com/careers)

To Apply

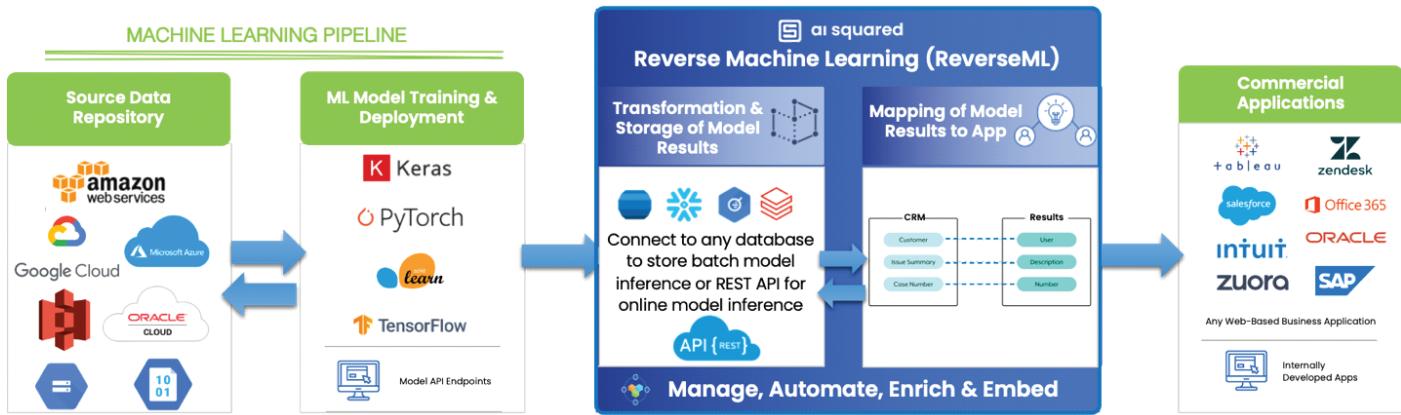




ai squared

## What we do:

AI Squared serves as middleware that allows an organization's data and machine learning models to interface with the commercial applications that knowledge workers rely on as the core of their workflows. This makes it simple to embed model and analytic results within these applications, as well as any relevant enrichment data, to augment the decision-making processes of end users without adding complexity to the end-user workflow.



**Figure 1:** AI Squared's ReverseML capability that transforms and maps results from models into commercial apps.

The magic of AI Squared is what we call Reverse ML. Normal machine learning trains on source data and makes predictions, but AI Squared extends this by then taking the inference results and enabling users to map it into web-based applications and embed where, when, and how it will best support operational decision-making. ReverseML manages and automates this process end-to-end.

## How we help:

AI Squared enhances the value of an organization's data and models by seamlessly connecting them with the end-user workflow, enabling fast and customizable model integration to empower end users and enable rapid prototyping and experimentation. The value of AI Squared is making the utilization of models and data as simple, quick, and effective as possible.

### Speed to Market

Make model results available in minutes, not months  
Streamlines cross-functional collaboration in model productionization  
Increased experimentation

### Custom user Experiences

Provide different audiences with different views of ML results and enrichment data.  
Controlled live experimentation and governance at scale  
Provide behavioral segmentation within workflows and dashboards

## Streamline Data Pipelines

Remove dependency on "spaghetti pipelines" from your DataOps or MLOps workflow

Manage and automate integration of multiple versions of data and multiple versions of models

## Supercharge AI Pilots

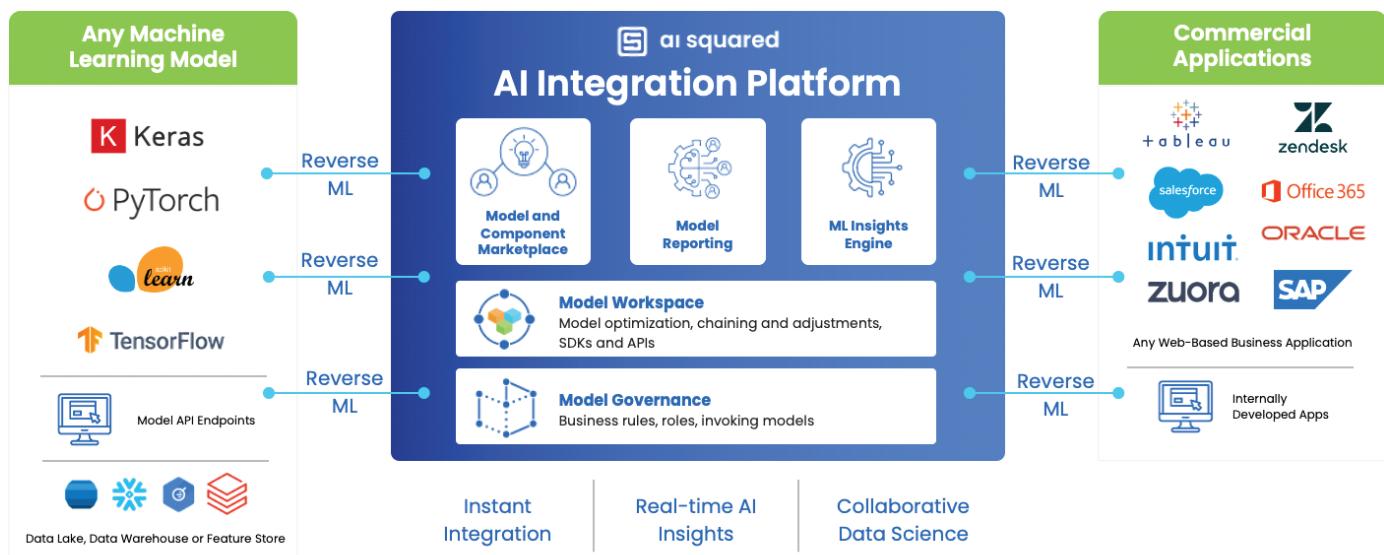
Seamlessly connect experimental models to user workflows

Gather feedback from users on models right in their workflow

Customize tests with local groups of sales executives.

Adaptive feedback on accuracy, value, and impact of integration

# What we have completed:



**Figure 1:** AI Squared's low-code/no-code AI integration platform

Our low-code/no-code AI integration platform that makes it easy for organizations to embed AI into any application and empower business teams to use AI how they want. AI Squared has showcased to Vanguard the platform's ability to do the following:

- ✓ Inject or embed custom Tableau dashboards into Dynamics
- ✓ Toggle on & off between custom JavaScript dashboard and Tableau Dashboard
- ✓ Support for 0-click dashboard embedding using our "Auto-Run" feature
- ✓ Support for whole dashboard feedback
- ✓ Role & group-based dashboard customizations including granular A/B component testing through Active Directory (AD)
- ✓ Enable end users to provide feedback on separate components (e.g. charts or graphs) within the embedded Dashboard, providing granular feedback to maximize the value of pilots and in-workflow testing

# Parallax Advanced Research

**Vision:** Advancing the Nation's innovation advantage

**Purpose:** Solving critical challenges for the Nation's security and prosperity

**Mission:** We deliver innovative research and provide technology, human, and business solutions via The Science of Intelligent Teaming™ for government, industry, and academic clients with critical challenges.

## What does Parallax do?

As a 501(c)(3) nonprofit organization, Parallax focuses on creating impact by accelerating investments in the U.S. science and technology enterprise. We engage in research aimed at solving critical state- and federal-level challenges at the intersection of government, industry, and academia using the Triple Helix model of innovation. This model combines resources, competencies, and perspectives from different sectors (academia, industry, and the government) to drive innovation and new creative solutions; anchors and cultivates innovation ecosystems within a region; engages in boundary-spanning activities and encourages collaboration within and between these three sectors.

# Working at Parallax

Parallax Advanced Research solves critical challenges for the Nation's security and prosperity. We advance the Nation's innovation advantage by delivering innovative research and providing technology, human, and business solutions via The Science of Intelligent Teaming™ for government, industry, and academic clients.

## **Parallax Advanced Research will help you reach your goals by offering:**

- Competitive salary with annual reviews.
- Health, dental, and vision coverage.
- Employer-paid Life insurance, STD, and LTD.
- Roth post-tax 401(K) and/or pre-tax with a generous monthly company match, and yearly employer contribution.
- Education Assistance: employee's tuition is 100% covered, in addition, we cover 80% of our employee's dependent's, spouse and domestic partner's tuition.
- Working from home opportunities for some positions.
- PTO time, regular paid holidays, and flex paid holidays.
- Paid Military Leave, Paid Maternity and Paternity leave, FMLA coverage for extended paid and unpaid leave, STD, LTD, and flexible hours.
- Annual PTO sell-back.

# AI at Parallax

The Parallax AI and Autonomy Group is working on groundbreaking basic and applied research in:

- Open-World Novelty Representation and Learning
- Conscious Reasoning Agents
- Approximation of Human-Decision Making Processes
- Integrated Hierarchical Planning and Reinforcement Learning
- Memory Architectures for Integrated Agents

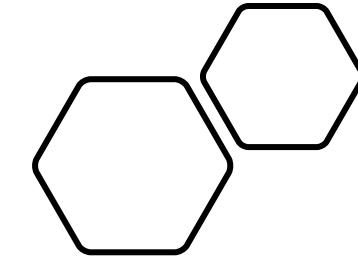
We're looking for junior and senior researchers interested in breaking new ground in:

- Automated Planning and Learning
- Metacognition
- Ontology-based NLP and Ontology Learning
- Neuromorphic Computing
- Hypothesis Generation and Testing
- Neurosymbolic Reasoning and other Syntheses of Symbolic/Subsymbolic AI
- Reasoning in Causal Graphs
- Cognitive Architectures



A close-up photograph of a young woman with long, dark brown hair that is blowing vigorously in the wind. Her hair is filled with motion blur, creating a sense of movement. She has freckles on her face and a small nose piercing. She is looking directly at the camera with a neutral expression. The background is a soft-focus landscape of green fields under a clear sky.

Be You.  
**Be Bayer.**



# Our Business Areas

## *Crop Science*



// High-value seeds, improved plant traits, innovative chemical and biological crop protection products, digital solutions and extensive customer service for sustainable agriculture.

## *Pharmaceuticals*



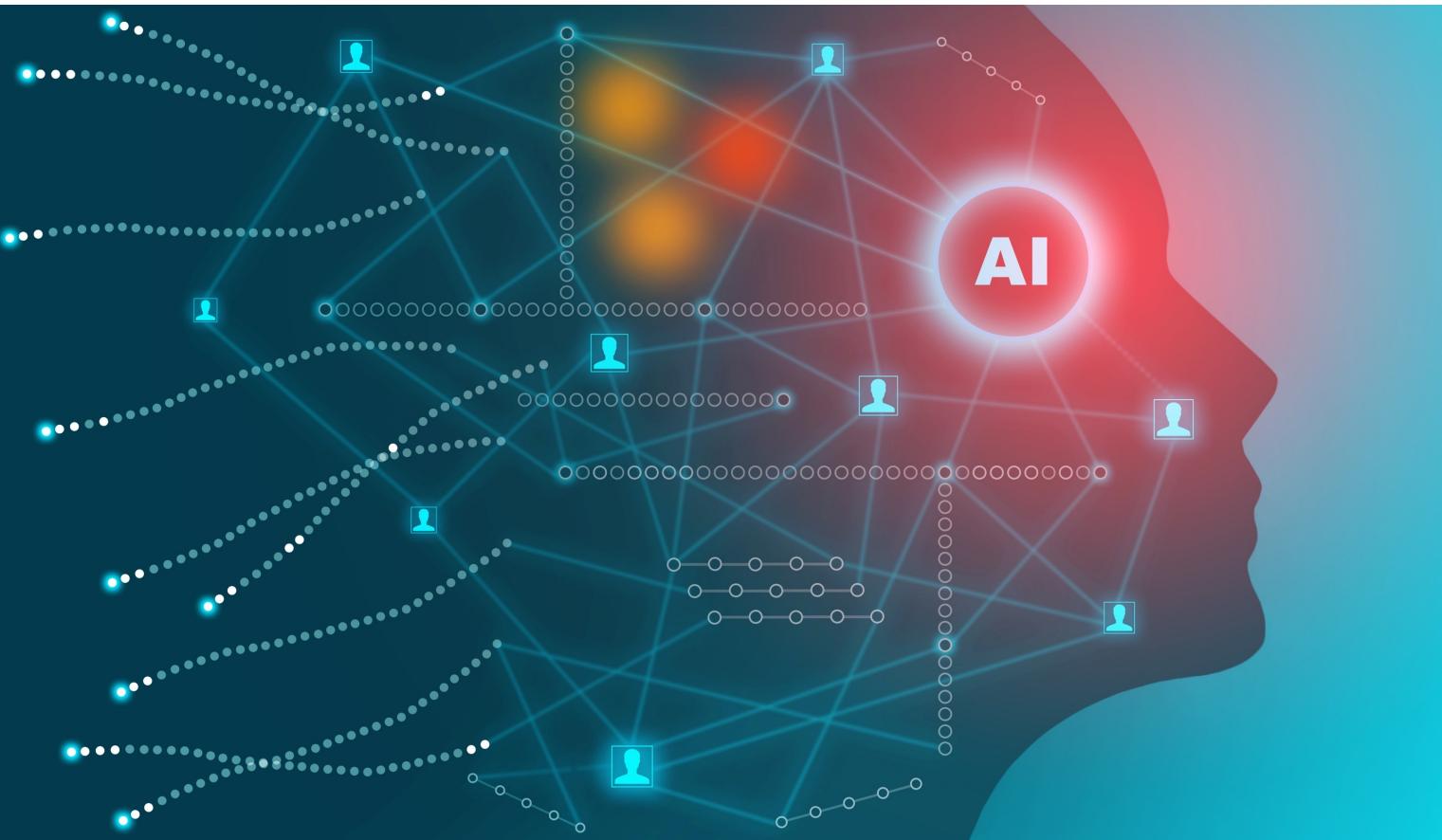
// Prescription products for cardiology, women's health care, oncology, hematology, ophthalmology, radiology and other key products that are among the world's leading pharmaceuticals for their indications

## *Consumer Health*



// Non-prescription medicines in the categories of dermatology, nutritional supplements, pain, cardiovascular risk prevention, digestive health, allergy, and cough & cold.

**RESTRICTED**



AI  
Drives  
Decision



Everything we do begins with our people

Attracting Top Talents

Promoting Inspirational  
Leadership

Diversity and Inclusion

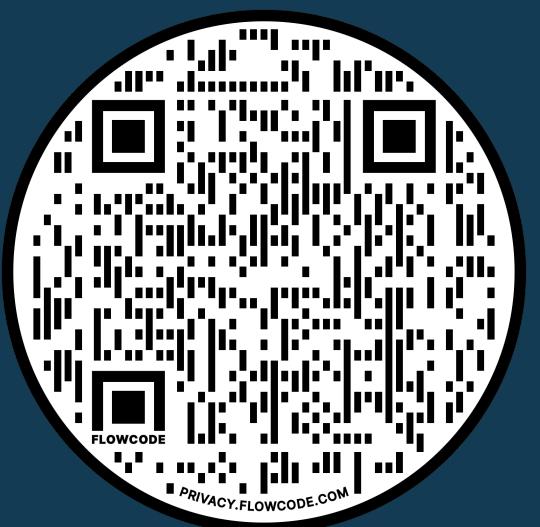
Health for all  
Hunger for None

RESTRICTED



Scan the QR Code to view:

*Career Opportunities*



*Be better  
together.*

**Be Bayer.**



# Leidos AAAI 2023

Making the world safer, healthier,  
and more efficient

**Andrew Foland, Ph.D.**  
**CTO, Leidos Security Enterprise Systems**



# About Leidos



## KEY STATISTICS



RESTON, VA  
HEADQUARTERS



**44K**  
EMPLOYEES  
WORLDWIDE

## WORKFORCE



**24%** — **23.7K** — **17%**  
TOP SECRET  
AND ABOVE      CLEARED  
EMPLOYEES      SECRET

Operation MVP is our company-wide initiative to hire, train, and support returning veterans.



**19%**  
MILITARY  
VETERANS



**1.2K**  
PhDs



**9.9K**  
MASTER'S  
DEGREES

## MARKETS



Our business is aligned into three reportable segments (Defense Solutions, Civil and Health). Included in our Defense Solutions segment are the defense and intelligence markets, which are economically similar in nature.

## MARQUEE CUSTOMERS

- ▶ Department of Defense
- ▶ Department of Energy
- ▶ Department of Homeland Security
- ▶ Department of Health and Human Services
- ▶ NASA
- ▶ Department of Veterans Affairs
- ▶ Department of Transportation
- ▶ National Intelligence Community
- ▶ National Cancer Institute, NIH

## HONORS

**FORTUNE  
500**



## ENVIRONMENTAL, SOCIAL AND GOVERNANCE



CULTIVATE  
INCLUSION



ADVANCE ENVIRONMENTAL  
SUSTAINABILITY



PROMOTE  
HEALTHIER LIVES



## Areas of Expertise

- ▶ Airport and Border Security
- ▶ Artificial Intelligence/Machine Learning
- ▶ Aviation Systems
- ▶ Cloud and Cybersecurity
- ▶ Critical Infrastructure Security
- ▶ Energy Efficiency
- ▶ Enterprise IT Modernization
- ▶ Environment and Infrastructure
- ▶ Mission Operations and Logistics
- ▶ Power Delivery

## Primary Customers

- ▶ Customs & Border Protection
- ▶ Department of Energy
- ▶ Federal Aviation Administration
- ▶ Global Airport Operators
- ▶ Department of Justice
- ▶ NASA
- ▶ National Science Foundation
- ▶ Transportation Security Administration
- ▶ Utilities

## Marquee Programs

- ▶ NASA End User Services Technologies
- ▶ DOE Hanford Site Mission Essential Services
- ▶ NSF Antarctic Support Contract
- ▶ NASA Cargo Mission Contract
- ▶ FAA En Route Automation Modernization
- ▶ FAA Mode S Beacon Replacement System
- ▶ Schipol Airport Checkpoint Modernization
- ▶ Entergy Power Delivery and Digital Utility
- ▶ Duke Energy Power Delivery Service



JOIN  
Our Team

# Trusted Artificial Intelligence



## Areas of Expertise

- ▶ Machine Learning
- ▶ Intelligence Analysis
- ▶ Autonomy
- ▶ Command and Control (C2)
- ▶ Predictive Analytics
- ▶ Cognitive Electronic Warfare
- ▶ Healthcare
- ▶ Cybersecurity
- ▶ Automatic Target Recognition
- ▶ Physical Security
- ▶ Edge to Cloud
- ▶ Artificial Intelligence Operations (AIOps)

## Proven Success

- ▶ Reduced a large-scale military vehicle's daily operating costs by 65%
- ▶ Developed a more efficient cyber threat identification tool for the intelligence community
- ▶ Developed an unmanned surface vessel capable of fully autonomous operations and navigation for a U.S. military branch
- ▶ Using AI currently to extract and enrich petabytes of heterogeneous data into insight for the intelligence community
- ▶ Uncovered new performance estimation techniques for the oil and gas industry by gathering, identifying, and analyzing complex data sets from isolated and proprietary data stores
- ▶ Generated new insights for the healthcare industry by bulk processing thousands of academic papers with natural language processing



MERCATUS CENTER  
George Mason University

# Policy Analytics Student Research Program

Connecting Talent Between the  
Computational and Social Sciences

**Stephen Strosko**  
*Technical Director, Policy Analytics Team*

# What is the Program?

- ❖ Connects graduate level students with professors and researchers from around the world.
- ❖ Develop cutting edge research.
- ❖ \$5,500 student compensation and technical trainings.
- ❖ Researchers work with highly skilled students that will advance their research for a semester.

# Why Create this Program?

- ❖ Cultivate research at the intersection of the social sciences, technology, and public policy.
- ❖ Develop networks of students and researchers that will solve tomorrow's policy questions.
- ❖ Train students and professors on emerging technologies and how they relate to public-sector research.

# How do I get Involved?

- ❖ Visit our table right here!
- ❖ Contact me at [sstrosko@mercatus.gmu.edu](mailto:sstrosko@mercatus.gmu.edu)
- ❖ [www.quantgov.org](http://www.quantgov.org)





# KAUST

King Abdullah University of Science and Technology

- University with the highest impact per faculty in the world

# KAUST AI Initiative

Led by Jürgen Schmidhuber



- Research on Foundations of AI and ML
- Research on AI for Science (biology, chemistry, material science, marine science, energy, health)
- We are hiring Faculty, Research Scientists, PostDocs, PhD Students in AI



# JPMORGAN CHASE & CO.

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Do you aspire to be on the forefront of solving real world problems?  
A role on the [AI Research](#) team at JPMorgan may be the perfect fit for you!

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search ID number: 210319699

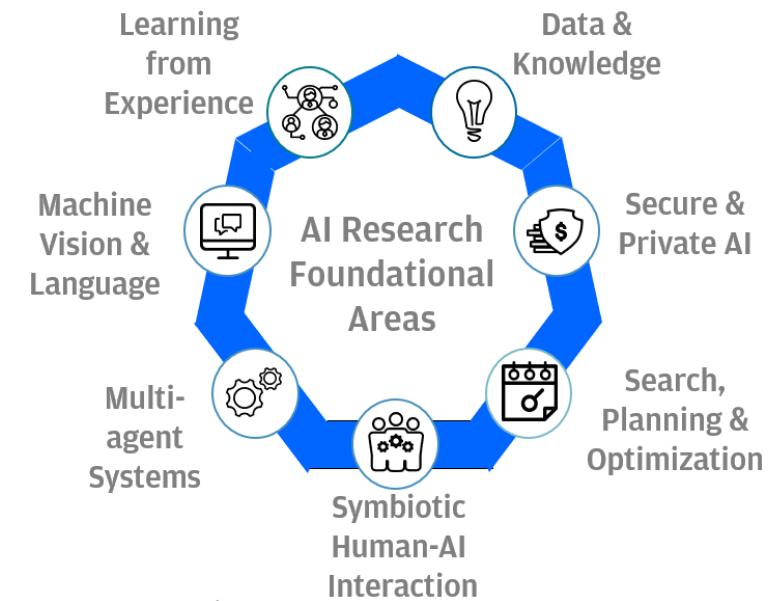


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Send an email to:  
[air.recruiters@chase.com](mailto:air.recruiters@chase.com)

- **We are a diverse team** of advanced degree AI Research Scientists headquartered in New York with hubs in Palo Alto, London, and Madrid.
- **We are experts** in Natural Language Processing (NLP), Deep Learning, Time Series, Reinforcement Learning, Planning, Simulation, Search, Synthetic Data, Privacy/Security, and Cryptography.
- **We research, discover and apply state-of-the-art AI techniques** to address a wide range of real-world problems in finance.
- **We work with leading academic faculty** around the world on areas of mutual interest

**We are hiring AI/ML Researchers  
in many areas**



Learn more about AI Research

<https://www.jpmorgan.com/technology/artificial-intelligence>

November 2022

# J.P. Morgan tops first-of-its-kind AI ranking

## AI ranking

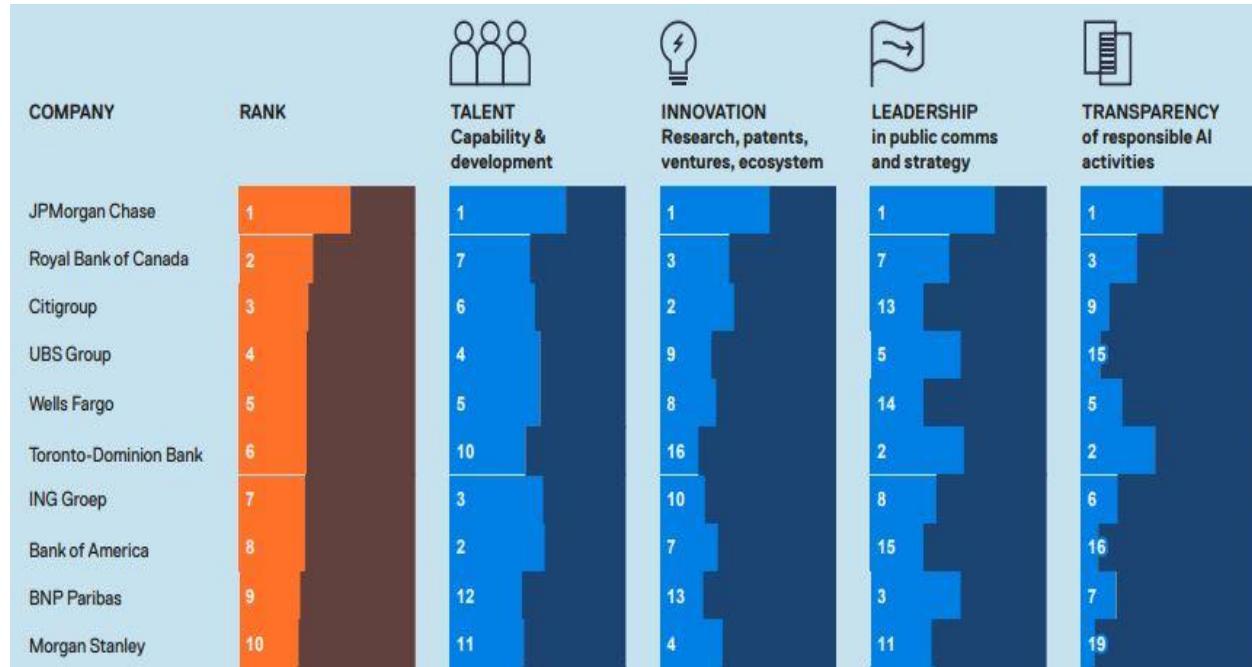
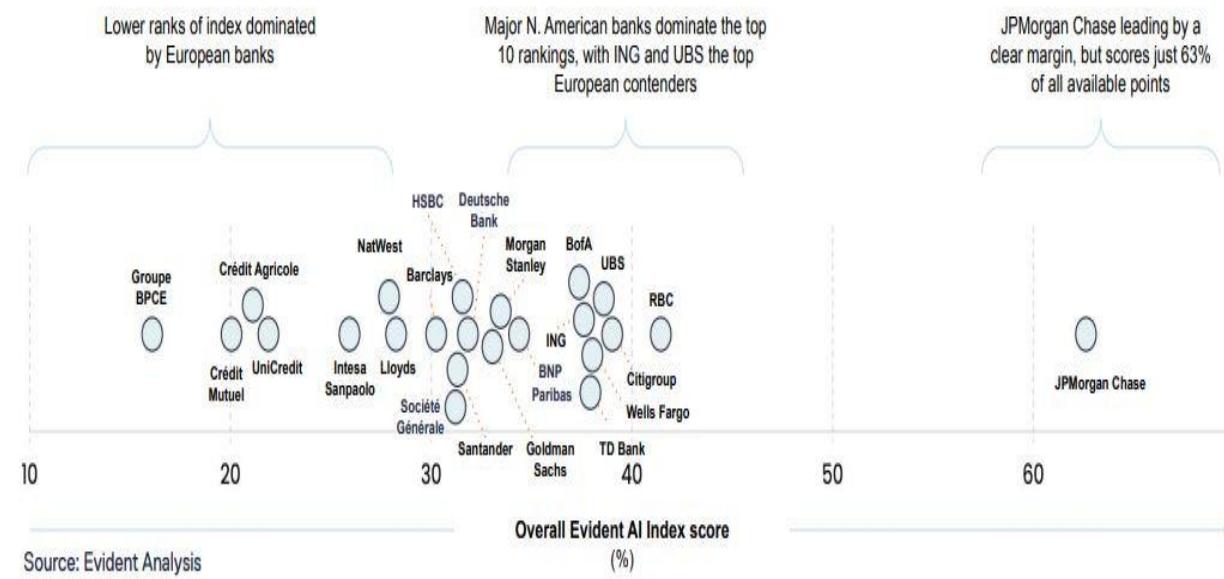


FIG 1. EVIDENT AI INDEX RANKING BY SCORE





Ranked **19<sup>th</sup>** globally by QS  
World University Rankings  
(WUR)

**1<sup>st</sup>** among the world's best  
under 50 universities and  
ranked **4<sup>th</sup>** globally for  
Engineering and Technology



# FACULTY POSITIONS

- NLP (Nature Language Processing) & ML (Machine Learning)
- HCI/HAI/HRI (Human Computer Interaction/Human AI Interaction/ Human Robot Interaction)
- Programming Languages/Machine Learning
- Information Systems and Analytics
- Computer Security
- Data science and data systems
- Trust Computing, AI Ethics, Block Chain, and Security
- Metaverse, Augmented Reality/Virtual Reality/Mixed Reality, and Interactive Systems



# WE ARE HIRING AI RESEARCHERS

## Location

**Tokyo, Japan**

Hitachi Central Research Laboratory



## Hitachi's research fields on AI

Our Research activities on AI research field covers from processing and analysis of video, audio and sensor data to natural language processing, robotics.

Hitachi is the largest IT and Infrastructure system company in Japan and our technologies developed in R&D group are widely used in all of Hitachi's business areas such as cloud services, enterprise software, public safety, factory systems, railway control systems, energy management systems and so on.

AI Publications from Hitachi <https://hitachi-speech.github.io/>

## Open Positions

### **Position 1: AI Researcher for Social Foundation Digital Service Innovation**

Reinforcement learning, Swarm Optimization, Scientific AI, Geo-spatial Time Series Information Analysis

### **Position 2: Researcher for Computer Vision and XR**

Computer vision, extended reality, machine learning, multi-modal recognition, human machine interaction

### **Position 3: Researcher for Intelligent Media Processing**

Natural language processing, knowledge processing, speech recognition, acoustic recognition/ diagnosis, XAI

## Qualifications

- PhD/MS in Computer Science, Engineering
- Experience of publication or presentation at top conferences

**Send your CV and research experiences**

(publication records, OSS contributions, product development, etc.)

**Address: [talent.acquisition\\_rdg.gv@hitachi.com](mailto:talent.acquisition_rdg.gv@hitachi.com)**

**Subject line: AI Researcher**

# AAAI / ACM: SIGAI

# Job Fair 2023



Hadi Hosseini, Penn State University  
Ferdian Jovan, University of Bristol  
Dor Atzmon, Royal Holloway University of London

