

your work,
world impact

parc[®]
A Xerox Company

The Business of Breakthroughs[®]



the best
the brightest
the boldest

People work at PARC, a Xerox company, because they want to transform their ideas and expertise into real-world breakthroughs.

Founded as Xerox PARC, PARC was incorporated in 2002 as a wholly owned independent subsidiary that works with multiple, diverse clients — from global corporations and government partners to startups — enabling them in today's collaborative, open innovation landscape. Our pioneering industry contributions have included Ethernet, GUI, laser printing, printed electronics, ubiquitous computing, and much more. Today our work ranges from ethnography, networking, and novel electronics, to cleantech, contextual intelligence, intelligent automation, and other areas.

We're a diverse, close-knit community of about 275 physical, computational, and social scientists and engineers, as well as business and operational staff, from a broad range of cultures, expertise, and domains.

As an equal opportunity employer, PARC recruits, hires, trains, and promotes in all job classifications without regard to race, color, religion, sex, age, national origin, citizenship status, marital status, sexual orientation, or gender identity.

We value people who:

Bring diverse backgrounds, perspectives, and embrace collaboration

Are intellectually curious, passionate, and flexible

Can envision possibilities but solve problems within industry constraints

Want to advance science and have impact through real-world use

Join us!

www.parc.com/careers





examples of research positions

Program Manager, Energy Technologies

PARC is seeking a program manager for its diverse portfolio of investments in Energy Technologies, including thin-film and silicon PV, solar thermal, geothermal, batteries, advanced air conditioning, and adaptive energy control.

Responsibilities:

- Develop and execute short- and long-term business plans, budgets, and strategies to accomplish the mission and financial goals for the energy portfolio
- Oversee the day-to-day operations for growth and profitability
- Manage program's financials and all facets of projects
- Share responsibility for personnel management

Requirements:

- Minimum of 7 years of supervisory experience; at least 10 years of progressively responsible executive or management experience in the operation and maintenance of a technology area, company, or business unit in the energy sector, with complete P&L responsibility
- Ability to communicate clearly and effectively with all levels of management, business development, researchers, and clients
- High degree of organization, problem recognition, and dispute resolution
- Excellent written and oral communication skills, including business plans, MRDs, and PRDs
- Both MBA and technical degree preferred
- Experience delivering complex, new technologies to market

Research Scientist, Computer Security and/or Privacy

PARC is seeking a research scientist in the field of Computer Security and/or Privacy. Both recent Ph.D. graduates and well-established scientists are encouraged to apply. Depending on seniority, the successful candidate will be responsible for one or more of the following responsibilities.

Responsibilities:

- Formulate research problems based on real-world needs and independently conduct high-quality research
- Work with existing research and development staff on a broad range of research topics
- Collaborate with business development to identify important business opportunities with industry and government clients
- Identify important research directions and help craft the lab's research agenda

Requirements:

- Ph.D. or equivalent experience in Computer Security and/or Privacy
- Familiarity with the formal foundations of security
- A strong desire to work on problems with real-world potential and impact
- Implementation skills and the ability to create early-stage prototypes are desirable

Areas of interest:

- Security and/or privacy in distributed computing environments
- Usable security
- Applied cryptography
- Applying data mining and machine learning to security and/or privacy
- Security and/or privacy in ubiquitous computing environments

Research Scientist, Ubiquitous Computing

PARC is seeking a research scientist to perform research in the field of Ubiquitous Computing (UbiComp) for the conception and development of novel ubiquitous computing systems, including, but not limited to:

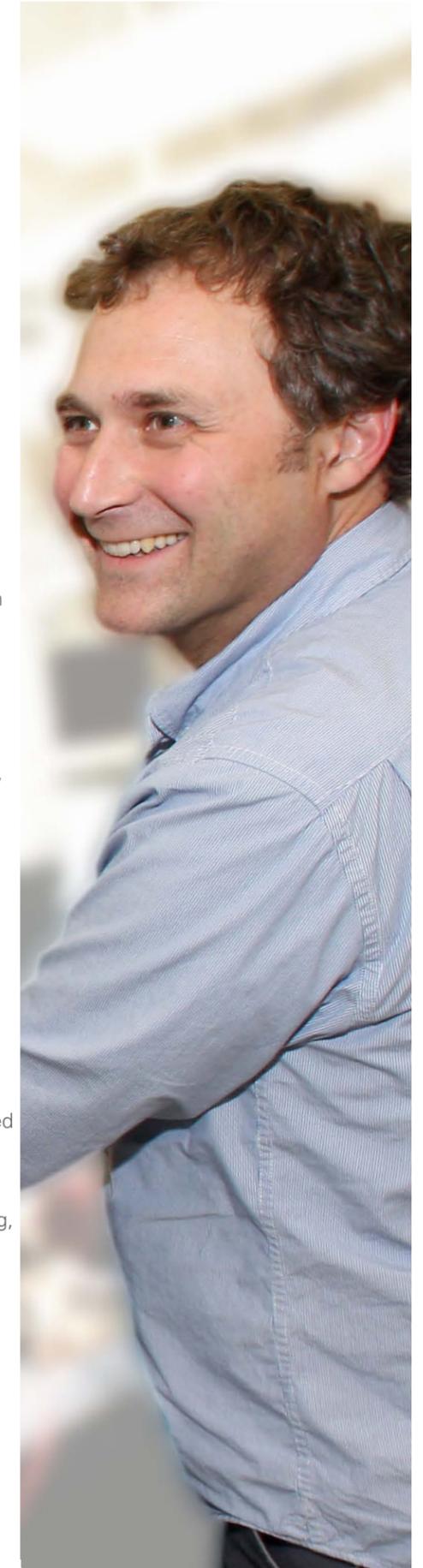
- Mobile computing
- Context-aware systems
- Computer-mediated communication
- Embedded intelligent systems
- Other unconventional systems

Responsibilities:

- Contribute to these existing strengths in UbiComp research as well as in intelligent user interfaces, context modeling, and machine inferencing
- Collaborate with other researchers of various disciplines to generate ideas, create and present project proposals, and to lead project planning and execution
- Engage with commercial and government clients to understand their research needs and generate high-impact project concept

Requirements:

- Ph.D. in Computer Science or related field with doctoral research focus in Ubiquitous Computing
- Significant research background in Machine Learning, Activity Modeling, and Perception (e.g., computer vision and acoustic detection)





Research Scientist, Bioinformatics

PARC is seeking a research scientist to help develop algorithms and software for analyzing biochemistry data from array binding experiments and mass spectrometry. PARC's Bioinformatics Group is well established in proteomics and glycomics bioinformatics, and wants to do equally influential work in genomics and third-generation sequencing.

Responsibilities:

- Maintain and improve our glycan identification software
- Develop new algorithms for glycopeptide identification
- Work with biomedical researchers on problems such as biomarker discovery, host/pathogen evolution, and biosimilarity

Requirements:

- Ph.D. in Computer Science, Statistics, or Computational Biology
- Experience in algorithm development and analysis
- Excellent programming skills in C, familiarity with Matlab or R, and some experience with either C++ or Java
- Experience in genomics, proteomics, glycomics, mass spectrometry, or microarrays is helpful but not essential

Research Scientist, Computer Vision

PARC is seeking an applied research scientist in Computer Vision, Machine Vision, Machine Learning, or related fields to join a team developing innovative transportation information systems. The ideal candidate is a self-starter who can communicate with customers, elicit requirements, define and refine application concepts, and lead development teams to take ideas from the drawing board to proposal to prototype deployment.

Responsibilities:

- Work with stakeholders to understand customer needs
- Design, develop, and deliver approaches, methods, and algorithms
- Make buy-versus-build decisions for platform software/ hardware capabilities
- Design and lead the development of software prototypes
- Lead efforts to engage new customers and develop business opportunities

Requirements:

- Ph.D. or equivalent experience in above fields
- At least five years of experience in scene analysis/ transportation domains
- Hands-on software and algorithm development
- Experience managing R&D teams and raising funding

Research Scientist, Machine Learning and Data Mining

PARC is seeking a research scientist in Machine Learning and Data Mining. Both recent Ph.D. graduates and well-established scientists are encouraged to apply. The ideal candidate should have experience in inventing and applying state-of-the-art machine learning and data mining technologies, including supervised/non-supervised learning, anomaly detection, data analytics, large-scale inference, and related fields. The candidate will work with internal and external collaborators and is expected to take on challenges in reasoning and analyzing large volumes of data.

Responsibilities:

- Work with internal and external collaborators to formulate problems and define requirements on machine learning and data mining algorithms
- Apply state-of-the-art data mining algorithms to information network data
- Design, develop, and deliver innovative approaches, methods, and algorithms, as needed
- Design and lead the development of software prototypes

Requirements:

- Ph.D. in Computer Science, Electrical Engineering, or related disciplines
- Demonstrated expertise in machine learning, data mining, or probabilistic inference
- Demonstrated implementation skills of putting theory into practice
- Familiarity with information network or social network analytics is a plus
- Experience with large-scale data analysis platforms such as Hadoop is a plus

Research Scientist, Microsystems

PARC is seeking a research scientist to work in a scientifically and entrepreneurially challenging environment in the Microsystems Group. Both outstanding Ph.D.s and senior researchers are encouraged to apply. Depending on seniority, the successful candidate will be responsible for one or more of the following responsibilities.

Responsibilities:

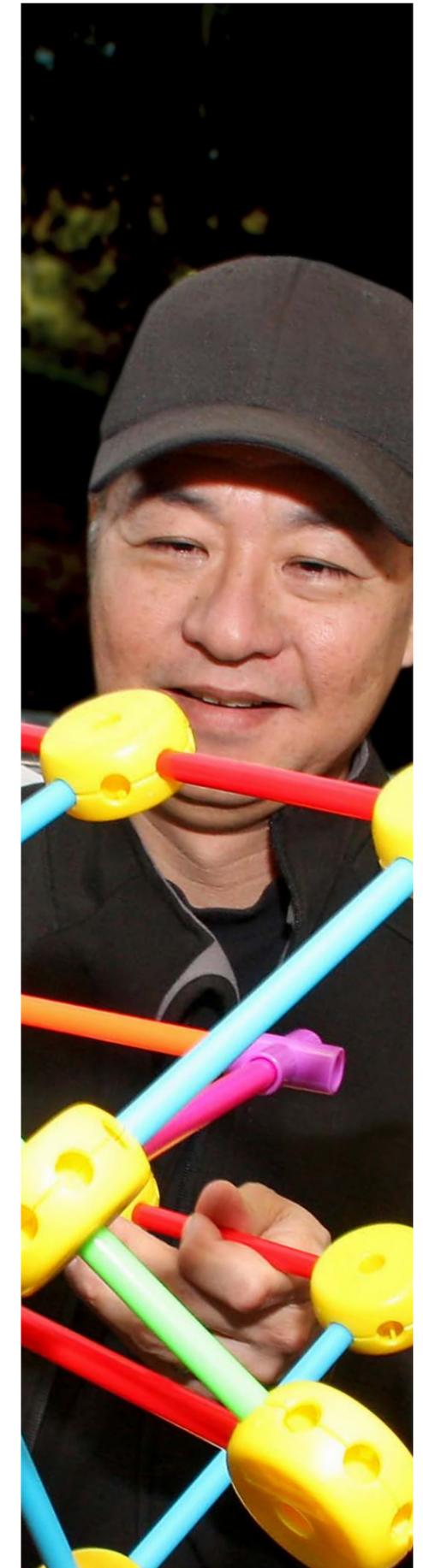
- Contribute to existing technical projects in the microsystems area
- Start new projects through in-house technical work and study outside problems and markets
- Lead customer engagements (industrial or government)

Requirements:

- Ph.D. or equivalent experience
- Strong research background demonstrating innovation and high-impact contributions towards their field

Desired:

- Background in physics, chemistry, materials, engineering, and related fields
- Experience in the biomedical field, as well as entrepreneurship or fundraising (including government grants)





Ethnography Researcher/Practitioner

Practicing ethnographer (based in Japan) who can participate in or lead ethnography projects for commercial customers in Japan and work closely with our U.S.-based ethnography group.

Responsibilities:

- Design and conduct ethnographic studies for commercial customers
- Assist business development by participating in calls, preparing and delivering presentations to customers
- Ensure high-quality deliverables to clients

Requirements:

- At least 3 years experience conducting ethnographic studies
- Strong competency in a wide range of ethnographic methods in business settings, including use of video for data collection, analysis, and reporting
- Experience leading projects and ability to present work persuasively
- Ability to travel regularly
- Japanese cultural and language fluency

Desired:

- Expertise in ethnomethodology, interaction analysis, and behavioral analysis
- Expertise in HCI research, qualitative and quantitative data analysis, and UX design
- Ph.D. or equivalent experience

Senior R&D Engineer

PARC is seeking an engineer with strong technical and leadership skills in the design and development of innovative hardware products, including products with significant electronic and software components, and products based on novel physical or biophysical systems.

Responsibilities:

- Work collaboratively on projects cutting across many technologies and markets, requiring the breadth and discipline from being deeply strong in a few select technical subjects

Requirements:

- Strong technical background, including either a Masters with 12+ years of experience or a Ph.D. with 6+ years of experience in an engineering field
- 5+ years experience as a principal investigator on commercial and/or government contracts
- Experience in moving innovations from proof-of-concept stage through prototyping in collaboration with partners
- Strength interpreting market feedback toward the development of a minimal viable product
- Experience in any of: hardware design and engineering for electronic systems; design for manufacturing; embedded systems engineering; lower power design; analog and mixed analog-digital design and engineering; biotechnology product R&D; or medical devices R&D

Designer/UX

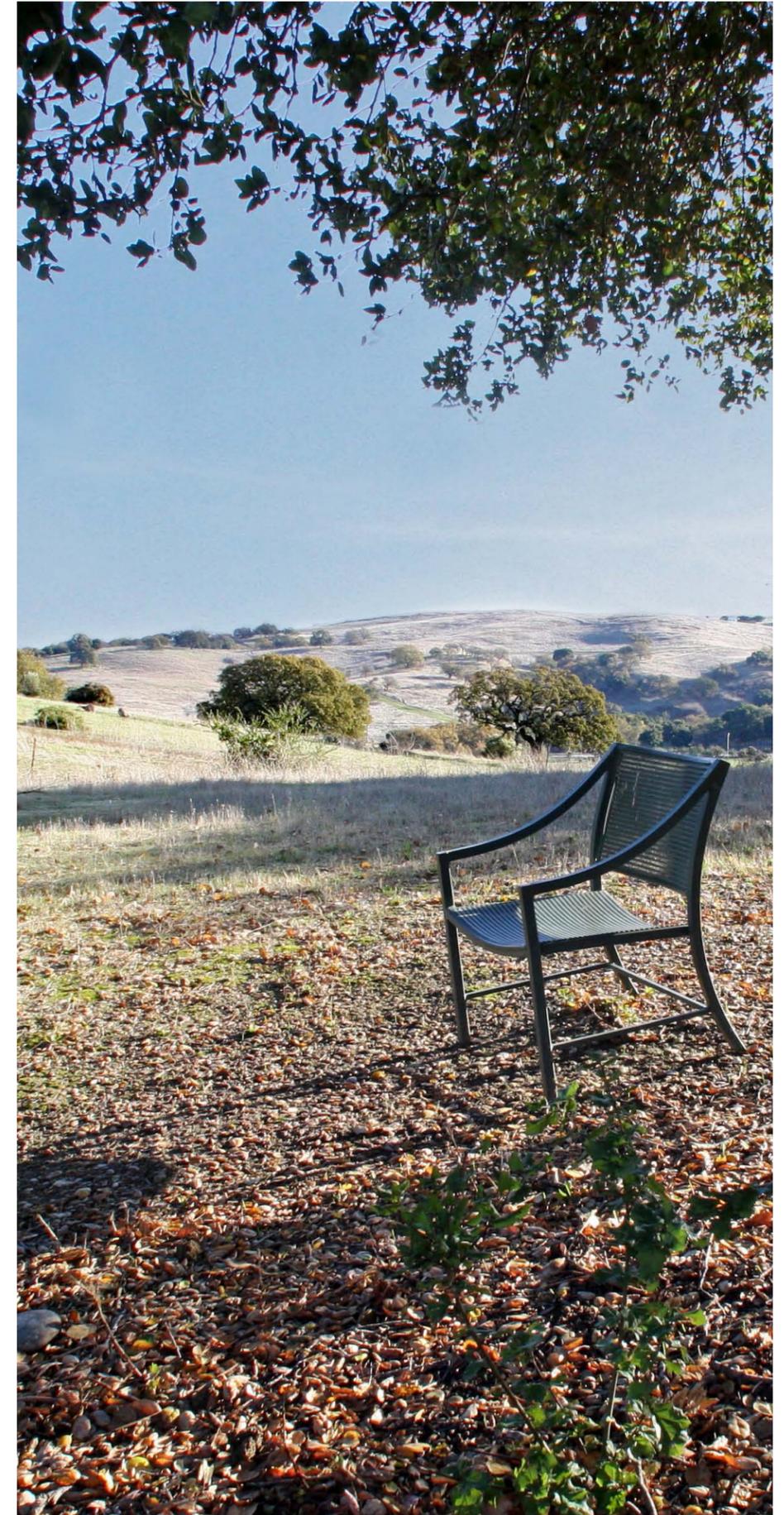
PARC is seeking a User Interface, Experience, and Interaction Designer to join a small entrepreneurial team developing a suite of new contextual applications for the next wave of semantic search and personal information management.

Responsibilities:

- Research, design, prototype, test, and gather feedback for user interfaces and user experiences
- Create mockups, story boards, visual assets, and documentation as needed
- Work closely with software engineers and product managers to determine interface design directions

Requirements:

- Experience designing commercial user-facing applications on both desktop and web
- Rapid prototyping and wireframing involving inputs across stakeholders
- Strong, clear written and verbal communication skills
- Team player in an iterative, agile environment with short release cycles
- A portfolio of designs, design prototypes, and mockups
- At least 3 years experience as user experience/interaction/interface designer
- Bachelors degree (or higher) in HCI, Computer Science, or related field
- Experience with data-intensive non-linear models, bug tracking, and code management systems
- Programming experience a plus
- Startup experience a plus



examples of postdoctoral positions

Microassembly

PARC's Electronic Materials and Devices Laboratory is accepting applications from outstanding students and researchers who desire to work in a scientifically and entrepreneurially challenging environment in the Microsystems Group in the field of microassembly or self assembly.

Applicants should have a Ph.D. or equivalent experience and a strong research background demonstrating innovation and high-impact contributions towards their field. Backgrounds in physics, chemistry, materials, engineering, and related fields are encouraged. Strong electromagnetic, fluidic, or control backgrounds are a plus.

Experimental Fluid Mechanics

PARC's Hardware Systems Laboratory is seeking an exceptional candidate to be responsible for the experimental characterization of particle-laden micro- and meso-scale flows in complex 3D topologies in the Fluid and Thermal Systems Area.

The successful candidate will have a strong background in particle image velocimetry (PIV) of low/moderate Reynolds number fluid dynamics (i.e., microfluidics), especially of flows containing droplets, particles, or cells.

Candidates should have experience with general experimental fixture design and control hardware/software (e.g., LabView) and with microfabrication and/or soft lithography, laser-induced fluorescence (LIF), and thermal modeling are a plus.

Optoelectronic Materials and Devices

PARC's Electronic Materials and Devices Laboratory is seeking a postdoctoral scientist in the Optoelectronic Materials and Devices Area.

The candidate will be part of the team developing the next generation of semiconductor optical devices emitting in the visible and ultraviolet regions of the electromagnetic spectrum.

The emphasis is on group-III-nitride materials growth, optical emitter design, and characterization:

- Metal-organic chemical vapor deposition (MOCVD)
- InGaAlN semiconductors
- Design of laser diodes and light-emitting diodes
- Development of advanced processing techniques
- Materials and device characterization

Candidates should have a Ph.D. with a strong research background demonstrating innovation and relevant contributions towards their field, and direct experience in one of the above specific research topics.

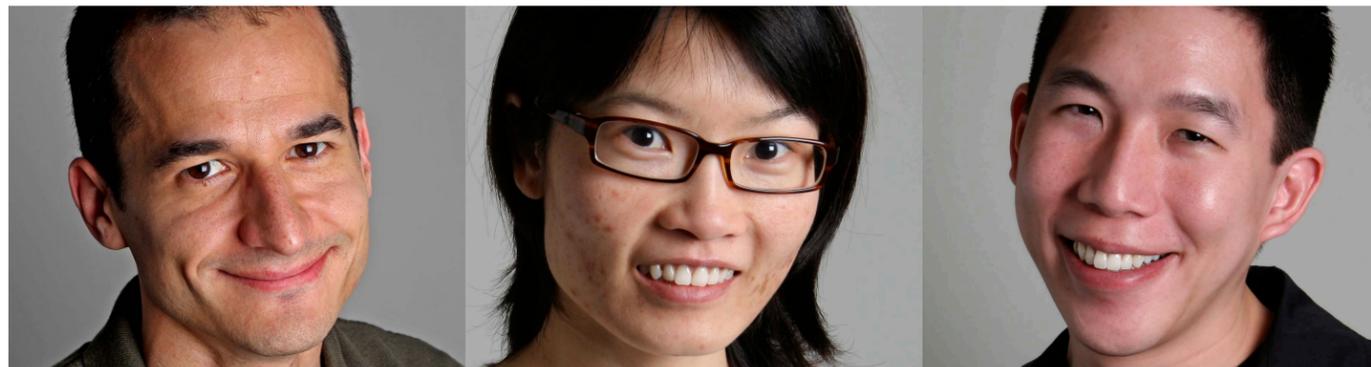
Candidates with interest and proposals for new directions in optoelectronic R&D are also encouraged to apply.

Intelligent Systems

PARC's Intelligent Systems Laboratory is seeking a postdoctoral researcher for the Embedded Reasoning Area. The successful candidate will work with a team of researchers to develop innovative approaches to the design of complex engineered systems. The project focuses on the development of methods, tools, and techniques to compress the design, development, testing, and evaluation cycle for complex embedded systems.

Candidates should have a Ph.D. in Computer Science, Electrical Engineering, Mechanical Engineering, or related fields, and specialization in artificial intelligence or one of its sub-specialties such as inference, reasoning, planning, scheduling, diagnosis, prognostics, or machine learning.

Candidates should have experience with, and enthusiasm for, applying cutting-edge theory and methods to real-world problems to produce innovative results. Hands-on software and algorithm development experience, and a genuine desire to design, develop, and deliver algorithms, methods, and tools with practical applications are a must; and experience with design tools and methodologies for complex systems and with software verification and validation methods. Expert-level knowledge of Java or C++ are a plus.



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Current openings



Internships

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