iCapital.

AI/ML, NLP Engineer - Assistant Vice President / Vice President

Apply

New York, NY, United States

iCapital is powering the world's alternative investment marketplace. Our financial technology platform has transformed how advisors, wealth management firms, asset managers, and banks evaluate and recommend bespoke public and private market strategies for their high-net-worth clients. iCapital services approximately $170 billion in global client assets invested in 1,392 funds, as of October 2023.

iCapital has been named to the Forbes Fintech 50 for six consecutive years (2018-2023); a three-time selection by Forbes to its list of Best Startup Employers (2021-2023); and a three-time winner of MMI/Barron's Solutions Provider award (See link below).

Job Description

iCapital's AI/ML team is developing cutting edge solutions to establish a unique competitive edge for the firm. As a Machine Learning Engineer on our team, you will play a key role in engineering iCapital's core machine learning and AI products. You will be working in a collaborative team environment across product management, data engineering, and software engineering teams. If you are passionate about leveraging machine learning techniques to drive innovation and have a strong background in developing scalable solutions, we would love to hear from you.

Responsibilities

- Build and integrate AI/ML/DS tools and workflows to address business needs and increase business efficiency.

- Support the design, development, training, and deployment of AI/ML models and engineering solutions to solve business problems through a full development and production cycle in the FinTech domain.

- Build and maintain RESTful APIs using Python and FastAPI.

- Conduct thorough project scoping sessions to understand stakeholder needs and project requirements.

- Contribute to the improvement of Machine Learning Operations (MLOps) pipelines and procedures to ensure efficiency, scalability, and maintainability.

- Ensure the reliability, robustness, and scalability of machine learning models in production environments.

- Collaborate with cross-functional teams, including product managers and full stack engineers, to deliver scalable machine learning solutions.

- For AVP level, provide technical leadership to motivate and guide team members and mentor junior engineers. For VP level, serve as the technical lead and be able to resolve technical issues during and post implementation.

- Stay updated with the latest industry trends, technologies, and best practices in machine learning and Generative AI fields.

Qualifications

- 5+ years of experience as a hands-on AI/ML engineer in AI/ML/DS fields for AVP level, and 8+ years of experience for VP level.

- Advanced degree (Masters, PhD) in a relevant field (AI/ML/DS, mathematics, computer science, etc.).

- Experience building, training, and deploying ML & AI models and systems in a production environment in at least one of the following applications:

- Generative AI/Large Language Model (LLM)

- Natural Language Processing (NLP)

- Experience with RESTful API development and integration, with a preference for Python and FastAPI

- Experience building APIs and infrastructure for large scale machine learning applications using AWS

- Experience working with Large Language Models, such as GPT-4, Llama 3, and other commercial or open-source models in a production environment.

- Knowledge of NLP techniques, including text data preprocessing (tokenization, stemming, and text normalization, etc.) and information extraction (summarization, and question answering, etc.)

- Proficiency in programming languages in Python, and libraries/frameworks like TensorFlow, PyTorch, spaCy and scikit-learn, etc.

- Experience with software development best practices, including source control (Git), CI/CD pipelines, testing, and documentation.

- Familiarity with database integration principles and practices, including SQL and NoSQL databases and data warehouse solutions (such as Snowflake).

- Strong problem-solving skills and the ability to work independently and collaboratively in a fast-paced, agile environment.

- Good communication skills and the ability to effectively articulate technical concepts to both technical and non-technical audiences.

Nice to Have

- (VP Level Only) Proven track record of leading technical teams and managing complex integration projects

- Knowledge of machine learning algorithms and statistical techniques, their limitations and implementation challenges.

- Experience with data visualization tools and techniques to effectively communicate and present findings.

- Experience with data transformation tool (such as dbt) and orchestration tool (such as Airflow).

- Portfolio of personal projects on Github, BitBucket, Google Colab, Kaggle, etc.

- Basic knowledge of finance and business (e.g., capital markets, alternative investments)

- Experience working in Finance or Financial Technology (FinTech). Understanding of regulatory and compliance requirements in the financial industry and their implications for machine learning applications.

The base salary range for this role is $130,000 to $220,000 depending on level. iCapital offers a compensation package which includes salary, equity for all full-time employees, and an annual performance bonus. Employees also receive a comprehensive benefits package that includes an employer matched retirement plan, generously subsidized healthcare with 100% employer paid dental, vision, telemedicine, and virtual mental health counseling, parental leave, and unlimited paid time off (PTO).

We believe the best ideas and innovation happen when we are together. Employees in this role will work in the office three days, with the flexibility to work remotely two days. Every department has different

needs, and some positions will be designated in-office jobs, based on their function.

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For additional information on iCapital, please visit https://www.icapitalnetwork.com/about-us Twitter: @icapitalnetwork | LinkedIn: https://www.linkedin.com/company/icapital-network-inc | Awards Disclaimer: https://www.icapitalnetwork.com/about-us/recognition/

iCapital is proud to be an Equal Employment Opportunity and Affirmative Action employer. We do not discriminate based upon race, religion, color, national origin, gender, sexual orientation, gender identity, age, status as a protected veteran, status as an individual with a disability, or other applicable legally protected characteristics.

Apply for this job

* indicates a required field

First Name *

Last Name *

Email *

Phone *

Resume/CV *

Attach, or enter manually

Accepted file types: pdf, doc, docx, txt, rtf

Cover Letter

Attach, or enter manually

Accepted file types: pdf, doc, docx, txt, rtf

LinkedIn Profile

Personal Website

Full Legal Name *

Are you legally eligible to work in the U.S.? *

Select... ▼

Will you now or in the future require sponsorship for employment visa status? *

Select... ▼

What is your desired base salary? *

What is your desired total compensation? *

How did you hear about this job? *

Select... ▼

If "Employee Referral" was selected for "How did you hear about this job?" please type the full name of the referring employee. If not, please type in "N/A". *

Are you subject to any form of Garden Leave or a Non-Compete? If yes please provide detail below. *

iCapital is an office-first culture, as such all employees are required to work in their assigned office three or four days a week, depending on department. Please review the job description before applying, to identify the specified location/s for the role. *

☐ Boca Raton, FL
☐ Boston, MA
☐ Greenwich, CT
☐ Jacksonville, FL
☐ Naperville, IL
☐ New York, NY
☐ Princeton, NJ
☐ Salt Lake City, UT
☐ Stamford, CT

Please confirm the office location/s you are comfortable commuting to:

Education

School

Select...

Add another

Voluntary Self-Identification

For government reporting purposes, we ask candidates to respond to the below self-identification survey. Completion of the form is entirely voluntary. Whatever your decision, it will not be considered in the hiring process or thereafter. Any information that you do provide will be recorded and maintained in a confidential file.

As set forth in iCapital's Equal Employment Opportunity policy, we do not discriminate on the basis of any protected group status under any applicable law.

Gender

Select...

Are you Hispanic/Latino?

Select...

Race & Ethnicity Definitions

If you believe you belong to any of the categories of protected veterans listed below, please indicate by making the appropriate selection. As a government contractor subject to the Vietnam Era Veterans Readjustment Assistance Act (VEVRAA), we request this information in order to measure the effectiveness of the outreach and positive recruitment efforts we undertake pursuant to VEVRAA. Classification of protected categories is as follows:

A "disabled veteran" is one of the following: a veteran of the U.S. military, ground, naval or air service who is entitled to compensation (or who but for the receipt of military retired pay would be entitled to compensation) under laws administered by the Secretary of Veterans Affairs; or a person who was discharged or released from active duty because of a service-connected disability.

A "recently separated veteran" means any veteran during the three-year period beginning on the date of such veteran's discharge or release from active duty in the U.S. military, ground, naval, or air service.

An "active duty wartime or campaign badge veteran" means a veteran who served on active duty in the U.S. military, ground, naval or air service during a war, or in a campaign or expedition for which a campaign badge has been authorized under the laws administered by the Department of Defense.

An "Armed forces service medal veteran" means a veteran who, while serving on active duty in the U.S. military, ground, naval or air service, participated in a United States military operation for which an Armed Forces service medal was awarded pursuant to Executive Order 12985.

Veteran Status
Select... ▾

Voluntary Self-Identification of Disability

Form CC-305   OMB Control Number 1250-0005
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Why are you being asked to complete this form?

We are a federal contractor or subcontractor. The law requires us to provide equal employment opportunity to qualified people with disabilities. We have a goal of having at least 7% of our workers as people with disabilities. The law says we must measure our progress towards this goal. To do this, we must ask applicants and employees if they have a disability or have ever had one. People can become disabled, so we need to ask this question at least every five years.

Completing this form is voluntary, and we hope that you will choose to do so. Your answer is confidential. No one who makes hiring decisions will see it. Your decision to complete the form and your answer will not harm you in any way. If you want to learn more about the law or this form, visit the U.S. Department of Labor's Office of Federal Contract Compliance Programs (OFCCP) website at www.dol.gov/ofccp.

How do you know if you have a disability?

A disability is a condition that substantially limits one or more of your "major life activities." If you have or have ever had such a condition, you are a person with a disability. **Disabilities include, but are not limited to:**

- Alcohol or other substance use disorder (not currently using drugs illegally)
- Autoimmune disorder, for example, lupus, fibromyalgia, rheumatoid arthritis, HIV/AIDS
- Blind or low vision
- Cancer (past or present)

- Cardiovascular or heart disease
- Celiac disease
- Cerebral palsy
- Deaf or serious difficulty hearing
- Diabetes
- Disfigurement, for example, disfigurement caused by burns, wounds, accidents, or congenital disorders
- Epilepsy or other seizure disorder
- Gastrointestinal disorders, for example, Crohn's Disease, irritable bowel syndrome
- Intellectual or developmental disability
- Mental health conditions, for example, depression, bipolar disorder, anxiety disorder, schizophrenia, PTSD
- Missing limbs or partially missing limbs
- Mobility impairment, benefiting from the use of a wheelchair, scooter, walker, leg brace(s) and/or other supports
- Nervous system condition, for example, migraine headaches, Parkinson's disease, multiple sclerosis (MS)
- Neurodivergence, for example, attention-deficit/hyperactivity disorder (ADHD), autism spectrum disorder, dyslexia, dyspraxia, other learning disabilities
- Partial or complete paralysis (any cause)
- Pulmonary or respiratory conditions, for example, tuberculosis, asthma, emphysema
- Short stature (dwarfism)
- Traumatic brain injury

Disability Status

Select... ▼

PUBLIC BURDEN STATEMENT: According to the Paperwork Reduction Act of 1995 no persons are required to respond to a collection of information unless such collection displays a valid OMB control number. This survey should take about 5 minutes to complete.

Submit application