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【AI】Data Scientist (Potential Manager)

Flextime&RemoteWork/In-house Development

Job Information

Recruiter
G Talent at Bizmates, Inc.

Hiring Company
Development/Provision of Route Optimization Services for Last Mi

Job ID
1489480

Industry
Internet, Web Services

Job Type
Other

Location
Tokyo - 23 Wards

Salary
8.5 million yen ~ 20 million yen

Work Hours
Flextime

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General Requirements

Minimum Experience Level
Over 3 years

Career Level
Mid Career

Minimum English Level
None

Minimum Japanese Level
Business Level

Minimum Education Level
High-School or Below

Visa Status
Permission to work in Japan required

Job Description

【ABOUT THE COMPANY】

■"AI domain," which uses AI technology to optimize advertising operations to the ultimate level.
From R&D of AI in advertising to the implementation of products.
Specifically, development of products that use AI to automatically optimize bidding and allocation among media for managed advertising, and prediction and automatic generation of advertising creative (copy, banners, etc.) effects are some examples. Offer unique products and technologies to the advertising industry, developed from full scratch from the AI engine to the application.

■"Marketing DX area" to create new value in the consumer interface market
Through the evolution of technology, the company seeks to create and provide new value as a "consumer interface market" by understanding the needs of individual consumers, including their life issues, family issues, and the social issues that lie behind these issues.
Based on the premise of developing and providing services necessary for consumers, engineers join with sales and marketing staff to design services, and conducts all in-house production, including the development of web applications, smartphone applications, LINE mini-applications, desktop applications, etc., as well as authentication infrastructure and library development across services, infrastructure construction, and maintenance and operation.

■"Media DX Domain": Realization of "AaaS," a next-generation model for the advertising media business
The Group is promoting innovation in the advertising domain under its "Advertising as a Service (AaaS)," a next-generation model for the advertising media business, as the DX of the advertising industry.
The Group aims to "transform advertising into a service" by moving away from the traditional business of selling "ad spaces" to a business that sells "effectiveness," the contribution to the advertiser's business, through the use of data, systems, algorithms, and human resources.

■"Information Systems Area" to promote the renewal of the Group's IT infrastructure and core systems
Responsible for the provision and maintenance of the IT environment, including the company group's business support, accounting, and other core systems, PCs used in business operations, smartphones, networks, and various communication tools, as well as the promotion of group IT governance, including information security measures. They are currently working with a sense of speed on the reforms that will support the growth of the group.

【JOB DESCRIPTION 】

【Mission/Role of this position】
You will join the company as a potential manager of the AI research and development unit for natural language processing, computer vision, etc. You will first join us as a member, and in the near future, you will be responsible for managing the organization and its members to achieve results.

【Overview】
(As a member of the team) Research the latest research papers, develop and implement PoC ideas, and define requirements.
Setting goals for members and the organization and maintaining them to achieve the set goals.
Formulation of AI technology strategy
Motivate and manage members (1 on 1, etc.)
Formulation of AI intellectual property strategy
Recruitment activities

【Responsibilities】
Specifically, the AI R&D Department is engaged in the following tasks
Development of evaluation technology for advertising images and materials
Analysis of forecasting accuracy based on actual ad performance data for banner ads, etc., and proposals for model improvement Improvement of effectiveness estimation models based on improvement proposals
Expanding horizontally to multiple media
Development of advertising image and material generation technology Advertising
Develop technology to recommend materials that have the potential to increase effectiveness
Development of technology to generate ad materials from scratch or to add variations to existing materials Editing of ad images, optimization of placement, etc.
Development of ad text evaluation technology
Analysis of prediction accuracy based on ad text ad performance data, and proposals for model improvement
Improvement of effectiveness estimation models based on proposed improvements
Horizontal expansion to multiple media
Development of ad text generation technology
Development of ad text generation technology that suppresses hallucination and hyperbole
Improvement of fluency of generated sentences by scaling up the language model
Brush up language generation models based on performance data and practitioner feedback

【Development Environment / Technology Stack, etc.】

Slack, Notion, JIRA, GitHub, AWS, Docker, Figma, Big Query, GUROBI

Development environment: Multiple NVIDIA DGX A100, High memory many-core CPU machines, Cloud GPU
Programming language: Python
Packages: PyTorch, Flax, JAX, T5, LongT5, numpy, onnx, numba, etc.

【About the Organization】
●Organization Name / Team Name
Product Development Center AI Research and Development Dept.
●Organization Mission
Toward the realization of delightful advertisements
The company aims to expand the possibilities of marketing with technology centered on AI, and to increase the number of "moments that make society happy" by facilitating the connection between people and services.
●Organization Vision
Bringing emotion to advertisements through "technology x people", leading to innovation in the consideration, production, and delivery processes in marketing through the power of AI and applications.
●Organizational Values
Freedom, autonomy and cooperation
Respect for freedom of ideas, freedom of work and freedom of lifestyle
Respect the autonomy, initiative, and discipline of each individual to fulfill our professional mission.
Respect for teamwork and others in order to achieve results that contribute to society.

■Welfare
・Commuting allowance (up to 150,000 yen)
・Best Place to Work (Remote work available)
・Remote environment allowance (5,000 yen/month)
・Secondary employment system is available
・Subsidies for books, certifications, etc.
・Company defined contribution pension plan
・Insurance: unemployment insurance, workers' accident compensation insurance, employee pension, and health insurance
・Original health care solution to be introduced for mental/stress checks

■Holidays / Vavations
・125 days per year
・2 days off per week (Sat. and Sun.), national holidays
・Year-end and New Year vacations (December 29-January 3)
・Paid leave
・Maximum of 30 days + 7 days of special leave (1 plastic leave per month)
・Granted from the date of hire/set individually depending on the month of hire
・Special vacation (free vacation twice a year: 5 consecutive working days off)
・Celebration or condolence leave, maternity/childcare leave, nursing care leave, other systems

Required Skills

【Required】

Experience creating and applying criteria and frameworks to assess member skill sets
Track record of using progress management tools (e.g., JIRA, Trello) to visualize project progress and achieve results on time
Communication skills: experience implementing and applying tools and processes for information sharing and decision making within a team

2+ years of experience in leadership of R&D teams related to AI-related fields and a track record of publicly presenting and sharing the team's results
3+ years of experience in data science work, including image processing, natural language processing (NLP), and mathematical optimization, with quantifiable evidence of performance
Proven track record of managing multiple AI-related projects and achieving KPIs and goals

【Preferred】

Relevant knowledge of the online advertising and marketing industry
Budget management: examples of past projects that demonstrated budget attainment and efficient resource allocation
Experience in business strategy development and execution: ability to demonstrate quantifiable results from past projects and business performance
Familiarity with large scale computing (GPU)

Experience presenting at domestic and international AI-related conferences and workshops
Experience participating in data analysis competitions such as Kaggle (winning a prize is preferred)
Experience submitting papers to international conferences and English journals (accepted papers preferred)

Company Description