

【NCS-based recruitment job description】

ETRI		cla ssi fic ati on	Category	Categorized by job analysis in ETRI
Recruitment field	Researcher (Full-time Position)		Main category	Research on Superintelligence
Expected number of recruits	1		Middle category	Research on self-learning, judgment, evolving integrated artificial intelligence technology
			Sub-category	Research on autonomous growth integrated artificial intelligence(language, visual) that self-learns and expands knowledge
Nature of the Institution		ETRI contributes to the national economic and social development by creating growth engines and spreading performance. The institute is committed to research and develop core and future technologies in the fields of information, communication, electronics, broadcasting, and related convergence technologies.		
Recruitment procedure		Document screening → Job seminar(professional interview) → Final interview → Appointment		
Job description		○ (Brain AI) Brain-inspired AI model simulation research ○ (Graph DB) Development of hyper-scale graph database system for brain data modeling and high-speed processing		
Place of work		ETRI Headquarter (218, Gajeong-ro, Yuseong-gu, Daejeon, Republic of Korea)		
General Requirements	Age, Gender	○ Age: Any ○ Gender: Any		
	Papers, Patents	○ Must provide documentary evidences of one or more research accomplishments from the following within the past 5 years: ① Published 1 or more SCIE papers as the first or corresponding author ② Presented 1 or more papers at international conferences as the first or corresponding author(mostly oral presentation experience) ③ Registered 1 or more international patents		
	Others	○ A person who has no reason for disqualification in appointment under Article 33(Reasons for Disqualification) of the National Public Officials Act, and the Regulations of Institute's (Article 10 of the Personnel Regulations) and has no reason for disqualification in overseas travel ○ A person who does not fall under Article 82 of the Act on the 「Prevention of Corruption and the Establishment and Operation of the Anti-Corruption and Anti-Corruption and Civil Rights Commission」 (Restriction on Employment of		

		<p>Unemployed Person, etc)</p> <p>○ Those who are obligated to serve in the military(male) are eligible for military service*, exemption, or alternative military service subject**</p> <p>* Military applicants: Those who can complete their military service by February 28, 2025</p> <p>** Persons eligible for alternative military service: Persons who meet the requirements for transfer of professional research personnel pursuant to the Military Service Act and the Enforcement Decree of the same Act may apply</p> <p>○ Must have no restriction on participation in national R&D projects</p> <p>○ Must be able to work from the appointed date</p>
Educational Requirements	Education	<p>○ Advanced university degree (Master's or higher) [Must obtain the degree by February 28, 2025*]</p> <p>* As of the date of grant of the degree certificate</p> <p>※ In the case of an applicant who is scheduled to obtain a degree, if he/she fails to submit his/her graduation certificate by February 28, 2025, after his/her final acceptance, the offer will be canceled.</p>
	Major	Computer Science, Electronics, Information Electronics Computing and other related majors
Experience	<p>○ Experienced in national R&D projects</p> <p>○ Experienced in data modeling and inference based on graph database</p>	
Required knowledge	<p>○ General knowledge on AI model and data simulation,</p> <p>○ General knowledge on graph DB, graph data modeling and inference, database</p> <p>○ General knowledge on brain engineering and neuromorphic modeling</p>	
Required Skills	<p>○ Programming skills using Java, Python, C, C++, Cypher QL, SQL, etc.</p> <p>○ SW system design and operation techniques</p>	
Competencies	<p>○ Go-getter with creativity</p> <p>○ Alter preemptively and take initiative</p> <p>○ Strong communication and interpersonal skills for teamwork</p>	
Basic job skills	<p>○ communication skills, interpersonal skills, numeracy skills, problem solving skills, self-development skills, resource management skills, organizational understanding skills, intelligence skills, technical skills, work ethic</p>	

Others	<ul style="list-style-type: none">○ This job posting shall be followed by 「Guideline on Blind Recruitment of Public Institutions for Equal Opportunities and Fair Process」 and complies with the 「Guidelines and Standards on Research and Development Purpose Institutions under the Jurisdiction of the Ministry of Science and ICT.」– In order to validate and verify professionalism and job suitability by recruitment field, information on alma mater (school name, major, degree, credit, thesis adviser, etc) and professional experience of research institute (organization name, position, job performance, etc) is collected.○ The above-cited job is the job of the representative specialized field that the applicant will perform when he/she joins the ETRI, however it can be vary and subject by supervisor and assignment in the team.○ Reference website : www.ncs.go.kr※ The above information was derived through a separate job analysis by ETRI as an NCS undeveloped job. Please note that the above may be changed depending on internal and external circumstances including future NCS development trends and changes in major projects.
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