

Recruiting Labs & Requirements for Prospective Students



SEJONG UNIVERSITY
GRADUATE SCHOOL

CHOI Woosuk

E-mail	wschoi@sejong.ac.kr		
Major	Atmospheric Science, Climate prediction, Air quality		
Available Degree Program	<input checked="" type="checkbox"/> Master's	<input checked="" type="checkbox"/> Ph.D	<input checked="" type="checkbox"/> Joint Master's-Ph.D
Research Field	Atmospheric Science, Climate prediction, Air quality		
Applicant Requirements	Atmospheric Science, elementary python skill		
Additional Comments	We study AI and Data Science for climate or air quality researches.		
Estimated Stipend (per month, USD)	\$1,000~\$1,200		



SUGUNA Perumal

E-mail	suguna.perumal@sejong.ac.kr
Major	Chemistry
Available Degree Program	<input checked="" type="checkbox"/> Joint Master's-Ph.D
Research Field	Synthesis and characterization of polymer/graphene materials, also applications using the prepared composites
Applicant Requirements	GPA, Laboratory ability, highly motivated to do research and learn new things
Estimated Stipend (per month, KRW)	1,200,000 KRW for Ph.D 800,000 KRW for Master



KIM Hyojung

E-mail	hyojungkim0912@sejong.ac.kr		
Major	Memristor		
Available Degree Program	<input checked="" type="checkbox"/> Master's	<input checked="" type="checkbox"/> Ph.D	<input checked="" type="checkbox"/> Joint Master's-Ph.D
Research Field	Fabrication of halide perovskite-based or oxide-based resistive switching memory devices and evaluating their electrical characteristics		
Applicant Requirements	Minimum admission requirements		
Estimated Stipend (per month, USD)	\$500		



SONG Jaeseung

E-mail	jssong@sejong.ac.kr
Major	Software Engineering
Available Degree Program	<input checked="" type="checkbox"/> Master's
Research Field	Intelligent IoT, Edge Computing, Blockchain
Applicant Requirements	High level programming language: C, C++, Java, Python Good English Project experiences
Estimated Stipend (per month, USD)	\$120



RYU Kisang

E-mail	kryu11@sejong.ac.kr	
Major	Foodservice Management	
Available Degree Program	<input checked="" type="checkbox"/> Master's	<input checked="" type="checkbox"/> Ph.D
Research Field	Restaurant Marketing	
Applicant Requirements	Passion, English capability, Sincerity, Creativity	
Estimated Stipend (per month, USD)	\$1,000	



JEONG Cheol

E-mail	cjeong@sejong.ac.kr		
Major	Artificial Intelligence		
Available Degree Program	<input checked="" type="checkbox"/> Master's	<input checked="" type="checkbox"/> Ph.D	<input checked="" type="checkbox"/> Joint Master's-Ph.D
Research Field	Vision-Language Model, Reinforcement Learning, Defect Detection		
Applicant Requirements	Proficiency in spoken and written English, knowledge in machine learning and deep learning, proficiency in PyTorch or TensorFlow		
Estimated Stipend (per month, USD)	\$1,100		



CHUNG Jaedong

E-mail	jdchung@sejong.edu	
Major	Mechanical Engineering	
Available Degree Program	<input checked="" type="checkbox"/> Ph.D	<input checked="" type="checkbox"/> Joint Master's-Ph.D
Research Field	HVAC, Adsorption, Energy Storage, Heat Transfer	
Applicant Requirements	<p>Program skill is essential.</p> <p>The experience using commercial Software such as STAR-CCM, Fluent, Comsol, is preferred.</p> <p>Thermal and heat transfer background is preferred.</p>	
Estimated Stipend (per month, USD)	\$1,000 starting	



CHUNG Silver

E-mail	sichung@sejong.ac.kr	
Major	Accounting	
Available Degree Program	<input checked="" type="checkbox"/> Ph.D	<input checked="" type="checkbox"/> Joint Master's-Ph.D
Research Field	Corporate disclosure	
Applicant Requirements	Proficient Python coding skills (adept at scraping online data and processing textual analyses)	
Estimated Stipend (per hour, USD)	\$10 per hour	



BYUN Jaewook

E-mail	jwbyun@sejong.ac.kr		
Major	Computer Science		
Available Degree Program	<input checked="" type="checkbox"/> Master's	<input checked="" type="checkbox"/> Ph.D	<input checked="" type="checkbox"/> Joint Master's-Ph.D
Research Field	Graph system, Temporal graph, Temporal information diffusion, Global standard, Information System		
Applicant Requirements	<p>[For Master and Master-Ph.D. Joint Program] <Essential> BS degree holders in related field Background in the following computer science theory: data structure, algorithm, database Proficiency in at least one programming language of Java and C++ Proficiency in English writing and speaking Interest in Data Frameworks and Platforms Lab. (DFPL)'s research direction (https://sites.google.com/view/jack-dfpl/home)</p>		



<Desirable>

Professionalism

Self-motivated, polite, diligent, and principled person

Exceptional time management abilities

Strong presentation skills

Positive and flexible attitude with a willingness to take on new research area

[For Ph.D. Program]

<Essential>

BS and MS degree holders in related field

Background in the following computer science theory: data structure, algorithm, database

Proficiency in at least one programming language of Java and C++

Ability to design and implement Web-based services

Ability to manage and exploit data with a database (relational, document-based, graph-based, etc.)

Strong publication record or Good work-in-progress research



	<p>Proficiency in scientific writing and good presentation skills (English)</p> <p>Interest in Data Frameworks and Platforms Lab. (DFPL)'s research direction (https://sites.google.com/view/jack-dfpl/home)</p> <p><Desirable></p> <p>Professionalism</p> <p>Self-motivated, polite, diligent, and principled person</p> <p>Exceptional organizational and time management abilities</p> <p>Positive and flexible attitude with a willingness to take on new research area</p> <p>Have research ideas for DFPL's research direction</p>
<p>Estimated Stipend (per month, USD)</p>	<p>Starting at 1,100 USD / month for Ph.D. course Starting at 800,000 KRW / month for Master course. Please note that the amount of salary could change depending on your ability, contribution, incentive, funding status, etc.</p>



LEE Jaywon

E-mail	jaywonlee@sejong.ac.kr		
Major	Accounting		
Available Degree Program	<input checked="" type="checkbox"/> Master's	<input checked="" type="checkbox"/> Ph.D	<input checked="" type="checkbox"/> Joint Master's-Ph.D
Research Field	Accounting, Blockchain, Big Data, Innovation, Market Research, Data Collection, etc.		
Applicant Requirements	Efficient use of ChatGPT, Excel (Python), Data Analysis, Statistics, Organization Skills, etc.		
Estimated Stipend (per month, USD)	\$300		



RIM Youseung

E-mail	youseung@sejong.ac.kr	
Major	Semiconductor Devices	
Available Degree Program	<input checked="" type="checkbox"/> Ph.D	<input checked="" type="checkbox"/> Joint Master's-Ph.D
Research Field	Semiconductor device fabrication, physics and simulation(TCAD)	
Applicant Requirements	Semiconductor device physics	
Estimated Stipend (per month, USD)	\$1,300	



CHUNG Hoontaek

E-mail	hchung@sejong.ac.kr		
Major	Energy Materials		
Available Degree Program	<input checked="" type="checkbox"/> Master's	<input checked="" type="checkbox"/> Ph.D	<input checked="" type="checkbox"/> Joint Master's-Ph.D
Research Field	My research interests are hydrogen fuel cells and anion exchange membrane water electrolysis. Any researcher joining to my team will do both basic and application studies. Hydrogen technologies are very promising. Whoever working on these technologies possibly has many opportunities in futures in industries as well as in national research laboratories.		
Applicant Requirements	English abilities (Writing and communications); Good understandings in science.		
Estimated Stipend (per month, USD)	Master's course (\$1,200) Ph. D course (\$1,500)		



YOON Yeosun

E-mail	ysyoon@sejong.ac.kr	
Major	Radar Signal Processing	
Available Degree Program	<input checked="" type="checkbox"/> Master's	<input checked="" type="checkbox"/> Ph.D
Research Field	<p>In the Advanced Radar System Laboratory (ARSL), we delve into cutting-edge signal processing techniques tailored for the next generation of radar systems. In our research, we focus primarily on radar technology, with a particular emphasis on signal processing methodologies designed to meet the demands of modern radar applications. Unlike conventional radars, today's advanced systems utilize unique waveforms such as UWB (Ultra-Wideband) signals and are engineered for specific targets including humans, small UAVs, buried mines, and objects obscured by obstacles. Moreover, some of these innovative radars integrate communication capabilities, giving rise to intriguing concepts like RadCom, JCR, and</p>	



	DFRC (Dual-Function Radar and Communication). Within our lab, students will have the opportunity to develop specialized signal processing algorithms tailored for these advanced radar systems. From harnessing artificial intelligence to exploring compressive sensing and innovating new waveform designs for both radar and communication, students at ARSL will embark on a journey at the forefront of radar technology innovation.
Applicant Requirements	<ol style="list-style-type: none"> 1. Required Courses: Digital signal processing, linear algebra, random probability 2. Coding: MATLAB and/or Python 3. Good GPA on courses related to mathematics 4. Fluent in English (both speaking and writing)
Estimated Stipend (per month, USD)	\$1,200 (varies depending on the experience. PhD students get more)



SIM Hyungsub

E-mail	hsim@sejong.ac.kr		
Major	Aerospace Engineering		
Available Degree Program	<input checked="" type="checkbox"/> Master's	<input checked="" type="checkbox"/> Ph.D	<input checked="" type="checkbox"/> Joint Master's-Ph.D
Research Field	Thermofluid sciences, Combustion, Propulsion, Computational Fluid Dynamics		
Applicant Requirements	GPA>3.5 (4.0 scale), Fluid mechanics, Thermodynamics, Compressible flow etc.		
Estimated Stipend (per month, USD)	\$1,000		



ECK Thomas

E-mail	teck@sejong.ac.kr		
Major	Department of Hospitality and Tourism Management		
Available Degree Program	<input checked="" type="checkbox"/> Master's	<input checked="" type="checkbox"/> Ph.D	<input checked="" type="checkbox"/> Joint Master's-Ph.D
Research Field	Tourist behavior, tourist experience		
Applicant Requirements	English ability		
Estimated Stipend (per month, USD)	To be determined		



AL-MASNI Mohammed

E-mail	m.almasani@sejong.ac.kr	
Major	AI & Biomedical Engineering	
Available Degree Program	<input checked="" type="checkbox"/> Master's	<input checked="" type="checkbox"/> Ph.D
Research Field	AI for Medical Image Analysis (image reconstruction, image segmentation, MRI motion artifact reduction, Image registration, and diagnosis).	
Applicant Requirements	Coding: AI-deep learning, Python, Pytorch, and Tensorflow. Solid background in medical imaging systems. GPA: 3.5/4.0 or higher.	
Estimated Stipend (per month, USD)	\$900~\$1,100	



SHIN Jisun

E-mail	jsshin@sejong.ac.kr		
Major	Computer Science		
Available Degree Program	<input checked="" type="checkbox"/> Master's	<input checked="" type="checkbox"/> Ph.D	<input checked="" type="checkbox"/> Joint Master's-Ph.D
Research Field	Machine learning, Clustering, AI		
Applicant Requirements	high level of Programming skills, Data structures and Algorithms courses grade B+, Fluent English speaking and writing		
Estimated Stipend (per month, USD)	\$1,500		



YANG Haesang

E-mail	haesang.yang@sejong.ac.kr		
Major	underwater acoustics (acoustic signal processing for remote sensing)		
Available Degree Program	<input checked="" type="checkbox"/> Master's	<input checked="" type="checkbox"/> Ph.D	<input checked="" type="checkbox"/> Joint Master's-Ph.D
Research Field	acoustic signal processing with AI for undersea object detection, sonar imaging processing for AUV (i.e., synthetic aperture sonar processing), acoustical modeling and simulation for sound propagation in the complex media		
Applicant Requirements	matlab or python experienced		
Estimated Stipend (per month, USD)	\$1,300 for graduate student (\$1,800 for PhD candidate)		



KIM Jongmin

E-mail	jongmin@sejong.ac.kr	
Major	Geotechnical Engineering	
Available Degree Program	<input checked="" type="checkbox"/> Ph.D	<input checked="" type="checkbox"/> Joint Master's-Ph.D
Research Field	<ol style="list-style-type: none"> 1. Grouting by enzyme-induced carbonate precipitation (EICP) 2. Monitoring of pile driving by electrical resistance measurement 3. Slope stability analysis 	
Applicant Requirements	Knowledge on basic chemistry, MATLAB, Numerical analysis & coding	
Estimated Stipend (per month, USD)	\$2,000~\$2,500 per month	



SEO Yongho

E-mail	yseo@sejong.ac.kr
Major	Physics, Semiconductor device
Available Degree Program	<input checked="" type="checkbox"/> Ph.D
Research Field	2d material based electronics, nano-materials based Semiconductor device
Applicant Requirements	General physics, GPA >3.7
Estimated Stipend (per month, USD)	\$1,600



KIM Yongseok

E-mail	yongskim@sejong.ac.kr		
Major	Polymeric Materials (Polymer synthesis, composites, functional polymers)		
Available Degree Program	<input checked="" type="checkbox"/> Master's	<input checked="" type="checkbox"/> Ph.D	<input checked="" type="checkbox"/> Joint Master's-Ph.D
Research Field	Development of functional polymers for semiconductor, display application, Development of smart materials (Vitrimers and 3D/4D Printing materials), Development of polymer films for secondary battery housing application etc.		
Applicant Requirements	Student majored Chemistry, Chemical Engineering, Materials Science, Polymer Engineering		
Estimated Stipend (per month, USD)	above \$1,200		



JEONG Kwangbok

E-mail	kbyeong7@sejong.ac.kr	
Major	Construction Management	
Available Degree Program	<input checked="" type="checkbox"/> Ph.D	<input checked="" type="checkbox"/> Joint Master's-Ph.D
Research Field	Smart & Sustainable Construction Engineering and Management, Ai-based Decision Support System	
Applicant Requirements	GPA: 3.5 or higher	
Estimated Stipend (per month, USD)	\$1,000	



CAI Zhicheng

E-mail	cai1121@sejong.ac.kr
Major	Semiconductor System Engineering
Available Degree Program	<input checked="" type="checkbox"/> Master's
Research Field	The synthesis of semiconductor nanomaterials and the development of sensors based on semiconductor materials
Applicant Requirements	Can communicate in English
Estimated Stipend (per month, USD)	\$300-\$500



JANG Hyewon

E-mail	hwjang@sejong.ac.kr	
Major	Education	
Available Degree Program	<input checked="" type="checkbox"/> Master's	<input checked="" type="checkbox"/> Joint Master's-Ph.D
Research Field	STEM education, Educational technology, Education Policy	
Applicant Requirements	Writing, Presentation, Statistics, Programming	
Estimated Stipend (per month, USD)	\$800	



PARK Sungkwon

E-mail	sungkwonpark@sejong.ac.kr	
Major	Food Science and Biotechnology	
Available Degree Program	<input checked="" type="checkbox"/> Ph.D	<input checked="" type="checkbox"/> Joint Master's-Ph.D
Research Field	food science, cell biology, cellular agriculture, artificial intelligence	
Applicant Requirements	cell culture experiment, molecular biology, coding capacity	
Estimated Stipend (per month, USD)	\$1,000	



MUHAMMAD Zubair Islam

E-mail	mzislam@sejong.ac.kr
Major	Intelligent Mechatronics
Available Degree Program	<input checked="" type="checkbox"/> Master's
Research Field	Internet of Things, AI Systems (Machine Vision)
Applicant Requirements	Have Experience with Django Framework, Java Script and Python, Have some knowledge of Cloud Computing (AWS)
Additional Comments	I am interested for internship students. If students want to work on real-time industry projects may contact me.
Estimated Stipend (per month, USD)	\$600 ~ \$700



KIM Donghuyn

E-mail	dkim@sejong.ac.kr
Major	Architectural Design
Available Degree Program	<input checked="" type="checkbox"/> Ph.D
Research Field	3d concrete printing architecture, bim and drawing technology, architectural design competition, VR assisted architectural design
Applicant Requirements	<p>english communication skill(for all)</p> <p>paper writing skill and experience(for all)</p> <p>g-coding and rhino(3d concrete printing architecture) revit, sketchup, pdf viewer</p> <p>programming(bim and drawing technology)</p> <p>design talent, 3d program, rendering</p> <p>program(architectural design competition)</p> <p>vr coding, vr application, 3d program(VR assisted architectural design)</p>
Additional Comments	design portfolio required for a candidate of architectural design competition
Estimated Stipend (per month, USD)	\$1,500



SADEGHI-NIARAKI Abolghasem

E-mail	a.sadeqi313@gmail.com	
Major	Computer Science and Engineering	
Available Degree Program	<input checked="" type="checkbox"/> Ph.D	<input checked="" type="checkbox"/> Joint Master's-Ph.D
Research Field	AI and programming (Unity and etc.)	
Applicant Requirements	High GPA and coding skills with good English skills (IELTS 7.5/8).	
Estimated Stipend (per month, USD)	Negotiable	



LEE Dongkyu

E-mail	dongkyulee@sejong.ac.kr		
Major	Structural Engineering & Mechanics		
Available Degree Program	<input checked="" type="checkbox"/> Master's	<input checked="" type="checkbox"/> Ph.D	<input checked="" type="checkbox"/> Joint Master's-Ph.D
Research Field	Computational Mechanics, Impact blaster wall, Structural optimization, Simulation, Multiscale, Steel structures, Composite, Topology optimization, Deep learning, AI, Damage expectation model		
Applicant Requirements	Coding, simulation, and mechanics knowledge, paper submission work & experience		
Additional Comments	Requesting for 2~3 graduate students for an upcoming project / A flexible working time condition is given as our lab's tradition / paper works and simulation codes are very significant/ Home networking work is also possible under the good performance condition due to computer works		
Estimated Stipend (per month, USD)	Master: 800, PhD: 1600, Master integrated PhD: first 2 years 800 and then 1600		



KIM Youngeun

E-mail	youngkim@sejong.ac.kr	
Major	UX design	
Available Degree Program	<input checked="" type="checkbox"/> Master's	<input checked="" type="checkbox"/> Ph.D
Research Field	UX Design, Generative Design, Computational Design, Media Art, New Media, Metaverse, Data Driven Design	
Applicant Requirements	<p>Capability of Programming for Physical Computing tools(Arduino, Raspberry Pie), game engine(Unity or Unreal), generative tools(Grasshopper, CAD)</p> <p>or ability to use Motion Graphic/33D modeling tool(After Effects, Premiere, Cinema4D Blender, Rhino etc.)</p>	
Estimated Stipend (per month, USD)	\$400~\$500	



MOON Yeonkug

E-mail	ykmoon@sejong.ac.kr		
Major	spatial data and spatial platform		
Available Degree Program	<input checked="" type="checkbox"/> Master's	<input checked="" type="checkbox"/> Ph.D	<input checked="" type="checkbox"/> Joint Master's-Ph.D
Research Field	3D spatial data reconstruction technology research, Research on heterogeneous spatial data processing technology, Research on spatial content and spatial platform expansion technology		
Applicant Requirements	Ability to collaboratively write SCI papers, Python and C programming skills		
Estimated Stipend (per month, USD)	\$500~\$1,500		



KIM Jonghoek

E-mail	jonghoek@sejong.ac.kr		
Major	Control engineering		
Available Degree Program	<input checked="" type="checkbox"/> Master's	<input checked="" type="checkbox"/> Ph.D	<input checked="" type="checkbox"/> Joint Master's-Ph.D
Research Field	Robotics, estimation and control engineering		
Applicant Requirements	Matlab. python.		
Estimated Stipend (per month, USD)	\$1,000		



MOSAB Kaseem

E-mail	mosabkaseem@sejong.ac.kr
Major	Nanotechnology
Available Degree Program	<input checked="" type="checkbox"/> Master's
Research Field	Surface modification of light metals for anticorrosive and catalytic applications
Applicant Requirements	Strong background in chemistry, proficient English skills, an impressive GPA score, and knowledge in Density Functional Theory (DFT).
Estimated Stipend (per month, USD)	To Be Determined

