

— Industry Projects —

Job Position	Job Description	Period	Contact Person
Facility Executive	The candidate is required to assist the DE team to implement smart building technologies that are inline with the Singapore Green Mark requirements for existing non-residential buildings.	5 May to 4 Oct	CHAN_Chien_Hong@np.edu.sg
Programmer	Diamond moth is a type very harmful insect that could damage vegetation. In this project, we are looking for a programmer to develop an AI program to count the diamond moth from the images captured by NEA, so that NEA and the farmers can take the necessary corrective actions.	Mid-May to Mid-Aug	CHUA_Kuang_Chua@np.edu.sg
R&D research assistant	We are looking for a dedicated programmer to create secure and functional code for autonomous car model. This includes: <ul style="list-style-type: none"> Exploring the setup of Jetson TX2 developer kit using resources mainly from the internet Design modification for autonomous car model Develop Python programming on Jetson TX2 for autonomous car model Explore CARLA simulator Simulate cars and traffic sign in CARLA simulator 	Jun to Oct	George_Pan@np.edu.sg
R&D research assistant	"We are looking for a dedicated programmer to create secure and functional code for autonomous car model. This includes: <ul style="list-style-type: none"> Exploring the setup of Jetson TX2 developer kit using resources mainly from the internet Develop Python programming on Jetson TX2 for autonomous car model interface with hardware Explore CARLA simulator Simulate pedestrian and climate in CARLA simulator Develop experiment design for test run. 	Jun to Oct	George_Pan@np.edu.sg
Research assistant	The candidate is required to conduct experiments and data analysis under the supervision of my R&D project engineer	After the "circuit breaker" to 30 Jun	XIONG_Junying@np.edu.sg
Research assistant	The candidate is required to aid in the development of Fast Point-of-Care Detection of SARS-CoV-2	Jun to Aug	LAU_Quek_Choon@np.edu.sg
Research assistant	The candidate will be involved in a project supported by the Decentralized Gap Fund. The scope of work includes <ol style="list-style-type: none"> making membrane modules, membrane characterizations (contact angle, mechanical strength, morphology, etc), performance evaluation, and lab management. 	Jun to Aug	LAU_Quek_Choon@np.edu.sg
Research assistant	The candidate is required to assist in aquaculture and feed formulation experiment	3 months	Timothy_TAN@np.edu.sg / Neviliappan_SHANMUGAM@np.edu.sg
Research assistant	The candidate is required to assist in research on microbial engineering	3 months	ZHOU_Xingding@np.edu.sg
Research assistant	The candidate is required to assist in the development of tree climbing robot	3 to 6 months	Scottz_LIP@np.edu.sg
Research assistant	The candidate is required to assist in the research project on machine/ vision learning	3 to 6 months	Scottz_LIP@np.edu.sg
Research assistant	The candidate is required to assist in producing an app for autonomous drone delivery	3 to 6 months	Scottz_LIP@np.edu.sg
Research assistant	The candidate is required to assist in fitness related/ IPPT sensors development with biometric authentication	3 to 6 months	Scottz_LIP@np.edu.sg
Robot Designer (2 positions)	Service Robots Tech Cluster is looking for team members to develop robot appearance for various deployment, like classroom assistant robot, F&B robot, nursing assistant robot, etc. The software to be used is SolidWorks.	May to Aug	Li_Yinbei@np.edu.sg
Robot engineer (3 positions)	We are looking for someone to assist in deploying of robot for specific applications, which include mapping of deployment area, route planning, trial and test. Candidate is also required to design and fabricate parts and components for the robot, including troubleshooting of electro-mechanical system, network system and software system on-board of the robot. Candidate with good programming skills can assist in designing of App necessary for the ease of robot operation.	May to Aug	LIM_yew_kin@np.edu.sg
Robot UI/UX Developer (2 positions)	Service Robots Tech Cluster is looking for UI/UX developers for next generation of service robots for the deployment in customer engagement, healthcare, education, hospitality and logistics.	May to Aug	Li_Yinbei@np.edu.sg
Robotics Algorithm Developer, Vision (2 positions)	Service Robots Tech Cluster is looking for team members to develop robot vision algorithms for object detection, human tracking, person re-identification, anomaly detection, etc. Development will be done using popular deep learning framework like TensorFlow, Pytorch, etc. Technical training and supervision will be provided.	May to Aug	Li_Yinbei@np.edu.sg
Robotics Cloud Developer (2 positions)	Service Robots Tech Cluster is looking for team members to develop robot cloud and web interface for NP service robots. Development will be done using ASP.net, WebRTC, SignalR, JavaScript, HTML, CSS, etc.	May to Aug	Li_Yinbei@np.edu.sg
Robotics Mechanical Developer (2 positions)	Service Robots Tech Cluster is looking for team members to develop robot structure and mechanism for various deployments, like classroom assistant robot, F&B robot, nursing assistant robot, etc.	May to Aug	Li_Yinbei@np.edu.sg
Robotics Software Developer, ROS (2 positions)	Service Robots Tech Cluster is looking team members to develop robot software architecture in ROS, which integrates various software modules developed by team members. Technical training and supervision will be provided.	May to Aug	Li_Yinbei@np.edu.sg
Robotics Software Developer, Navigation (2 positions)	Service Robots Tech Cluster is looking for team members to develop robot navigation solutions for both indoor and outdoor deployments. Development will be done in ROS using 2D/3D Lidars, Depth Cameras, GPS, etc. Technical training and supervision will be provided.	May to Aug	Li_Yinbei@np.edu.sg
Robotics Software Developer, Windows (2 positions)	Service Robots Tech Cluster is looking for team members to develop robot software in Windows using C# and Python. The software module include Microsoft Azure-based Chatbot, IBM Watson-based Chatbot, motion control, Robot UI.	May to Aug	Li_Yinbei@np.edu.sg
Tech Transfer Officer - Data Analysis, Business Development & Marketing	We are looking for a passionate Marketing Executive to plan and oversee TDI's marketing activities. His/her responsibilities are as follows: <ul style="list-style-type: none"> Conduct market research to identify opportunities for the commercial exploitation of NP's innovations and technologies Prepare content for the publication of marketing material including Tech Offers in NP and other agencies website Plan advertising and promotional campaigns for NP's innovations and technologies on a variety of media (social, print etc.) 	Mid-May to Mid-Oct <i>(end date could be reviewed based on candidate's enlistments or university term start date)</i>	REGINA_NG@np.edu.sg
Tech Transfer Officer - Grant Management	"We are looking for a meticulous Executive to support the TDI's core functions in grant management and research and development administration. This includes: <ul style="list-style-type: none"> Archiving data, developing and proposing new systems in grant and billing management Documentation of grant proposals, technical reports, and financial records for the funded projects Providing statistical reports and closure of completed funded projects Development of the process flow and functionality of new grant system in a joint poly-ITE project Involvement in ad-hoc initiatives undertaken by TDI 	Mid-May to Mid-Oct <i>(end date could be reviewed based on candidate's enlistments or university term start date)</i>	REGINA_NG@np.edu.sg
Tech Transfer Officer-IP Asset Management	We are looking for someone who possesses good people management skills and wishes to gain some work experience in IP asset management in the tech field. His/her responsibilities are as follows: <ul style="list-style-type: none"> Conduct IP search and analysis using proprietary search engines with input from the project Principal Investigators involved in completed and new GAP projects Manage internal patent portfolio asset and renewal of maintenance of patent granted Participate in general problem solving 	Mid-May to Mid-Oct <i>(end date could be reviewed based on candidate's enlistments or university term start date)</i>	REGINA_NG@np.edu.sg