



## Net Zero Technology Centre – Summer Internship 2024

At Net Zero Technology Centre, we have several exciting summer internship opportunities. We have listed the projects below with a brief description. You are welcome to apply for as many projects as you would like, just simply tick the box within the application form to show which project(s) you are applying for. You only need to submit one application.

Project Name	Project Summary	Preferred Skills/Experience
Data - SAP System (HR Data)	Collate data from a range of sources and develop an overview of HR KPI's and SAP storytelling reporting. Identify opportunities for HR to support the future of NZTC.	Ideally data science degree and practical data analytics knowledge. Power BI.
UK Energy Transition Infrastructure	Collate data from a range of sources (National Grid, OFGEM, Climate Change Committee) and develop an overview of the energy transition infrastructure development that will be required on the UK's journey to Net Zero.	Ideally data science degree and practical data analytics knowledge. Power BI. Technical and economic skills/experience.
Business Development - Technology Services	Support the Business Development team with internal processes, client materials, marketing and event opportunities and desktop research into new international markets.	Business Management student. Writing, research, and documentation skills.
Energy Hubs & Hydrogen Backbone Technical Support	Support Energy Hubs and Hydrogen Backbone Link projects.	Technical / Engineering and knowledge of GIS.
Hydrogen Offshore Production Project (HOP2)	Review criteria selected for platform re-use and re-evaluate based on new assumptions from knowledge gained through Phase 1 of the project.	Technical / data skills. Knowledge of GIS.
Well Construction for CO2 Injection	Provide research into innovative or alternative materials for well construction which could widen the operating envelop for the injection of cold CO2. The project will mostly be desk top research into well construction technologies with the opportunity to work across teams working with Technology Services, Well Colab and Horizon Scanning.	Engineering/petroleum background. Good investigative and research skills, and good written and oral communication skills. Ability to work on own initiative.



NZTC Technology Database	The NZTC Technology Database is within Azure and within a Master Spreadsheet. There are two actions which require support: 1) Update the Azure database to align with the new structure and 2) Populate the NZTC database with examples across the technology priority areas.	Technical and software skills would be preferred. Ideally database knowledge and Azure insights.
Knowledge Management Systems	Focus on the Knowledge Management systems within NZTC and data upload, visualisation, and cleanup.	Computer Science based degree with data analytics knowledge. Python prog plus prior knowledge of LLM platforms and development and use of them.
TECHX – Start Up Recruitment and Scouting	Lead on a project to search for potential applicants to TechX and be responsible for updating our scouting database. Conduct research, communicate with applicants and support the application process. Support with university and stakeholder engagement to promote the TechX programme by updating our databases, contacting stakeholders, tracking interactions. Responsible for ensuring the TechX Application dashboard is accurate and provide regular updates to the TechX team on scouting activities.	Good research and analytical skills. Comfortable with handling data. Takes initiative and comes up with ideas. Is organised and has attention to detail.
TECHX – Start Up Community Engagement	Produce proposals and plans on how TechX can support and promote alumni companies. This will include producing at least 4 event concepts for networking events or webinars with a breakdown of potential speakers, venues, stakeholders for any future potential events. Lead on the updating and production of one-page summaries of each of the alumni companies that can be issued to investors and stakeholders. Develop proposals for updates for the online platform (TechX Portal) for ways it can be used to engage alumni and support the production of newsletters and finding funding opportunities and benefits to startups.	Strong ability with PowerPoint Creative and able to develop ideas. Experience with planning events and webinars. Good written and oral communication.