

ICT Research Engineer



Carbon Exchange (Hong Kong) Ltd.
香港碳交易有限公司

Carbon Exchange (Hong Kong) Limited was established to bridge gaps for the low carbon economy since 2010. Our business is expanding with 1,000+ environmental consultancy projects & award-winning team members for hackathons and start-up competition. We aim at innovating and investing for a green future through research & development and technical optimization for green capital management. Our businesses include carbon and energy management, environmental consultancy, ESG, in-house benchmarking, environmental performance evaluation and planning, etc. To further support green finance development in the area, we are also expanding our businesses in the Green x FinTech area.

Job Highlights

- Working on PoC on different green ideas
- Interested in startups for tech-biz connection
- First hire of the ICT team at the company

Job Description

- Develop the prototypes of the system designs through Proof of Concept (PoC) that meet both business & technical requirements
- Support business strategy and idea development through technical advisory
- Prepare proposals to support innovation pitch and job bids
- Pursue research on topics related to the theme of the PoCs
- Form your own team for solution production when business opportunities arrive

Academic and Qualification Requirements

- Master or Doctoral Degree holder in Computer Science/ Computer Engineering/ Electronic Engineering or other relevant disciplines
- Certificates in AWS/ GCP/ MS Azure/ Ali Cloud are added advantages
- Certificates in IoT applications are added advantages

Experience Requirements

- Research experience related to one or more of the following topics:
 - IoT systems (including 5G)
 - Blockchain
 - Cloud/edge/fog computing
 - FinTech
 - AI-augmented software engineering
 - XaaS
- Experience to perform PoC of the research with public or private cloud servers and UI/UX elements
- Experience in ICT industry is an added advantage
- Experience with hands-on experience in all-rounded technical skills such as IoT sensors, web/mobile applications development, system architecture design, database design and administration, cloud infrastructure etc. is an added advantage
- Experience in Microservices, API and cloud technologies is an added advantage
- Experience in functional programming is an added advantage
- Excellent communication skill in both written/spoken English and Chinese

Other Requirements

- Capable to research, work and deliver individually
- Interested in both Green and FinTech industries
- Focus on business value propositions rather than technical convenience or constraints
- Adaptive and agile in the face of changes and uncertainties

- Willing to communicate with external clients
- Willing to work under tight schedule
- Responsive to communications
- A good team player with strong communication and interpersonal skills

Interested parties please apply with full resume, a selected research publication, stating expected salary on your resume, any link to your PoC of your previous work (if any) and date of availability to **howard.cheung@carbonexchange.net**

Data collected will be treated as strictly confidential and will be used for recruitment purpose only.