

ClusterTech Limited is committed to providing value to clients through advanced computing technologies including Cloud, High Performance Computing, Big Data and Heterogeneous Computing. We provide a comprehensive range of services and products to solve problems in massive data processing, large-scale computing, in-depth analysis, artificial intelligence, and uninterrupted service. Our business areas include financial engineering (investment analysis, risk management, derivatives pricing, etc.), business intelligence (sales forecasting, customer management, inventory management, etc.), environmental science (weather forecast, heavy rain and turbulence forecasting, analysis and prediction of pollution, etc.), smart city (information gathering, information analysis, optimisation and management), and internet applications (massive image processing, video storage and delivery). We also provide public cloud, private cloud and hybrid cloud solutions for businesses of all sizes.

Data Scientist / Computational Scientist

Job Description:

- Solve practical problems by using computational skills and cross-category approaches of data mining/statistics/artificial intelligence/mathematical optimization;
- Utilize user characteristics and behavior data, financial data to do data mining and model building analysis;
- Participate in client research to collect users' need, prepare reports of clients' behavior analysis;
- Be required to travel to the mainland on a need basis;

Job Requirements:

- Major in Computer Science, Engineering, Statistics or related disciplines;
- 1-2 years hands on relevant working experience;
- Good at analytical thinking with solid mathematics knowledge;

- Good master of foundation theories and approaches of data mining or statistics field;
- Proficiency in Java, Python, R or at least one programming language;
- Knowledge of data structure and algorithm;
- Experience in processing mass data, model building, and product improvement by mathematical approach is preferable;
- Knowledge of MYSQL,ORACLE database operation with excellent tuning skills is an advantage;
- Knowledge of machine learning or statistics field with experience in data mining projects is preferred;
- Team spirit, proactive in idea sharing with good communication skills (Chinese and English);
- Preference will be given to candidates with high integrity, team spirit, strong sense of responsibility, and passion for the application of modern computing technology in China;

We offer competitive remuneration package including 5-day work and 15 days annual leave to the right candidate with excellent career advancement. Interested parties please apply with detailed resume (in MS Word / PDF format), stating current and expected salary and send to recruit@clustertech.com

All applications will be treated in strict confidence. Personal information collected will be used solely for the purpose of recruitment. If you are not invited for an interview within 4 weeks, your application will be filed for a further 2 years and be considered for any other appropriate positions within the company or related companies.

For more information about **ClusterTech**, please visit our web site at <http://www.clustertech.com>.

Software Engineer (CS-EAS)

Job Description:

- Develop software related to text-mining and enterprise analytics application;
- Contribute to the system architecture and its backend design;

- Implement prototypes as per user requirements;
- Assist in maintenance of existing projects.

Job Requirements:

- Bachelor in Computer Science or related disciplines;
- Experience with projects in programming and system setup;
- Knowledge of Python and packages like Numpy, Django, Scrapy, etc;
- Knowledge of MySQL and skills in using/maintaining relational database;
- Familiar with Linux environment;
- Experience in using R or pandas for data manipulation and statistical analysis is an advantage;
- Eager to learn, responsive and productive;
- Proactive in teamwork and making contribution.

We offer competitive remuneration package including 5-day work and 15 days annual leave to the right candidate with excellent career advancement. Interested parties please apply with detailed resume and your expected salary (in MS Word / PDF Format), stating current and expected salary by clicking Apply Now below, or post to:

The Human Resources Department
Units 211-213, Lakeside 1,
No. 8 Science Part West Avenue,
Hong Kong Science Park,
Shatin, New Territories, Hong Kong

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Computational Scientist (Arbit)

Job Description:

- Design and develop models for low latency trading;
- Conduct quantitative research on financial time series using machine learning and other cutting edge technologies;
- Assist other computational scientists and software engineers in model development;

Job Requirements:

- Bachelor or above in Statistics, Mathematics, Computer Science or other related discipline;
- At least 2 years of experience in R, Python, or other programming language;
- Knowledge and experience in algorithmic trading is a plus;
- Comfortable with command line;
- Excellent critical thinking, problem solving and analytical skills;
- Good command of English and Chinese;
- Able to work independently as well as a team player;
- Preference will be given to candidates with integrity, team spirit, strong sense of responsibility, and passion on trading business;

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Data Scientist / Computational Scientist (CS-EMPS)

Job Description:

- Operate various atmospheric and chemical model simulations for weather and air quality forecasting and analysis;
- Collaborate with academic institutes and conduct research and development (R&D) for in-house environmental-related products and projects;
- Support routine operations of forecasting system as well as the underlying HPC / IT infrastructures;
- Support businesses and on-going projects ;
- Required to travel and have meetings with clients in the mainland as needed;

Job Requirements:

- A university degree, or equivalent, in a discipline related to atmospheric science, meteorology, physics, mathematics or computer science is required; A PhD or master degree in a related subject is desirable but not essential;
- Strong background in computer programming skills techniques;
- Experience with computational environments (Linux/Unix), computer languages (Fortran, Python, etc.), and analysis tools (R, NCL, etc.) usually used for atmospheric modeling. Knowledge of GIS, Java, C++/C, or JavaScript would be useful;
- Good understanding of atmospheric chemistry, data assimilation, numerical modeling (WRF, CMAQ) would be an advantage;
- Candidate with 3-year or more related experience will be considered as Senior Computational Scientist;
- Good logical thinking and analytical mind;

- Eager to learn, responsive with a can-do attitude at work;
- Willing to take up challenges;
- Team player, proactive in idea sharing with good communication skills;
- Good spoken and written Mandarin and/or English;

We offer competitive remuneration package including 5-day work and 15 days annual leave to the right candidate with excellent career advancement. Interested parties please apply with detailed resume and your expected salary (in MS Word / PDF Format), stating current and expected salary by clicking Apply Now below, or post to:

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System Engineer (HKHPC)

Job Description:

We are looking for candidates specialized in infrastructures and services for high performance computing (HPC) and big data:

- Research and experiment on technologies that bring impact to the customers and the company;
- In-house HPC / big data support for our environmental forecasting and business intelligence divisions;
- Design, implementation, and maintenance of HPC / big data systems for customers, on-premise and on-cloud;

Job Requirements:

- Bachelor's degree in computer science, information engineering, computer engineering, or similar university curriculums;
- Good academic knowledge in ONE of the following: operating system concepts, computer networking, software development, software testing;
- Exposure to Linux/Unix shell environments;
- Ability to comprehend and debug programs in C, Python, etc;
- Ability to write shell scripts will be an advantage;
- Passion and analytical mindset for problem solving;
- Professional Cantonese and English for customer-facing activities;
- Good communication and interpersonal skills for team work;
- Permanent resident (or valid working visa) in Hong Kong;

New comers will be given customized training to get familiar with the required technologies. Fresh graduates and experienced professionals are both welcome.

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System Engineer (CS-EM)

Job Description:

- Be responsible for software implementation, enhancement and maintenance for weather and air quality prediction system;
- Provide software support to Computational Scientist for research and development of numerical forecasting algorithms;
- Implement information system infrastructure for automatic acquisition, processing and presentation of data;
- Participate in software support of external projects that mainly involves environmental or meteorological applications.

Job Requirements:

- Bachelor in Computer Science, Earth Science, Physics, Mathematics or related disciplines;
- Project experiences in related domains is preferable;
- Proficiency in several programming languages, familiar with Python, Fortran and NCL is preferable;
- Familiar with Linux environment, as well as tools and protocols in the internet;

- Knowledge of high performance computing is an advantage;
- Atmospheric science, physics and mathematics knowledge is preferable;
- Eager to learn, responsive and productive;
- Proactive in teamwork and making contribution;