

Apply through the website form clicking “Apply Now”



Sr. Computer Science Engineer

About Karagozian and Case, Inc.

Karagozian and Case, Inc. (K&C) is an internationally recognized multidisciplinary science and engineering consulting firm founded in 1945 with a focus on creating custom engineered solutions for extreme environments. K&C's mission is to engineer specialized solutions and products for the defense, space, energy, security, construction, and manufacturing industries. K&C's rapidly growing practice areas include: 1) applied research and testing, 2) modeling, simulation, and analysis, 3) product and software development, 4) protective design engineering, and 5) threat vulnerability assessments.

Career Opportunity

K&C is seeking a highly talented Computer Science Engineer that can work, think, and innovate independently in a fast-paced work environment with challenging time constraints. The ability to multi-task and work on projects that require varying skill-sets simultaneously is a must. Candidates for this position must be passionate about machine learning, code development, and solving complex engineering problems.

Candidate Requirements

- MUST BE US CITIZEN (please do not apply otherwise)
- PhD in Computer Science Engineering, Mathematics, Physics, or Related Field
- 10+ years of work experience
- Experience developing trained or self-learning solvers
- Experience with design of experiments, response surface models, and artificial neural networks
- Experience developing deterministic and probabilistic models and software tools
- Experience in computational science and numerical analysis
- Experience designing, coding, and implementing complex statistical algorithms
- Experience with common engineering programming and scripting languages (e.g. C++, Matlab, Python, etc.)
- Experience using high performance computers and Linux compute environments

Job Duties

- Identify independent parameters, relevant parameter space, and data sets required to train predictive models for complex engineering problems
- Develop predictive engineering algorithms using large and complex data sets
- Develop artificial neural networks and response surface models
- Address shortcomings in software tools by developing/coding new solvers and algorithms
- Analyze and interpret data from small-scale and large-scale tests
- Analyze and interpret data from high-fidelity physics-based computations
- Post-process large data sets and identify meaningful trends and variances
- Enhance and update in-house codes
- Support proposals and bids for Government contracts
- Manage projects and prepare contract deliverables (progress reports, final reports, briefings, etc.)
- Collaborate with academia and publish in technical journals
- Participate in technical conferences

Karagozian & Case, Inc.

700 N. Brand Boulevard, Suite 700, Glendale, CA 91203 | 818-240-1919 | www.kcse.com