

## **Materials Design Engineer Intern**

Full-Time or Part-time, Immediate Availability

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QuesTek Innovations LLC, located in Evanston, IL, is a leader in the field of computational materials design. QuesTek uses its proprietary Materials by Design<sup>®</sup> expertise to rapidly develop next-generation materials that reduce capital, processing, operating or maintenance costs, or improve environmental protection or competitive supply. QuesTek has licensed four alloys for production and sale, and has many more alloys in development. QuesTek is seeking candidates for a Materials Design Engineer Intern in its Product Development group working on the design and development of new materials. Part-time and full-time positions are available. The responsibilities and activities will include:

- Support project teams to design and invent new materials
- Employ materials design models in support of project activities (e.g. thermodynamic modeling using CALPHAD-based applications and materials design-based software tools)
- Interact and coordinate with experimental teams leading fabrication, processing, characterization, and testing of prototype materials
- Document and report on both internal and client based material design efforts
- Assist with proposal efforts for internal and client-based projects

A strong understanding of physical metallurgy and excellent communication skills are required. Preferred candidates will be working towards a bachelors-level or advanced degree in materials science and engineering, metallurgy, or a related field; experience with thermodynamic & kinetic (i.e., ThermoCalc & DICTRA software), process-structure, structure-property, quantum mechanical models; laboratory skills related to materials processing, characterization, and testing; good engineering design and problem solving skills; and a background in the metals, aerospace, energy, defense, or related industries.

Compensation will be commensurate with experience. QuesTek will only employ those who are legally authorized to work in the United States. Interested candidates shall submit their resumes and a cover letter summarizing how their experience would allow them to excel in this position via the Careers page of [www.questek.com](http://www.questek.com). No phone calls, please.

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