



Careers @ Altair Technologies

Altair Technologies is a small growing engineering services and manufacturing company focused on linear accelerators and RF Products used in medical cancer treatment and industrial security applications. Altair Technologies is working with national labs and large OEM's to develop and commercialize innovative products as sheet beam klystrons and has a continuous need to design and develop accelerators, electron sources and advanced high power x-ray targets.

Altair Technologies is located in Menlo Park, California situated between San Francisco and Silicon Valley.

We are currently looking to fill positions in Engineering (see [www.AltairUSA.com/career at Altair](http://www.AltairUSA.com/career_at_Altair)) .

Accelerator Scientist Internship

Altair Technologies is looking for a high energy, self-motivated and highly organized individual to take a lead role in on-going development projects and new opportunities for linear particle accelerator designs. The Accelerator Scientist will work closely with the engineering team and manufacturing personnel and also interact with the customer's technical liaison.

Job duties include:

- Develop and review specifications
- Design, simulate, and test accelerators
- Design Electron Guns
- Lead R&D projects
- Write technical proposals, patent disclosures and proposals for small business grants
- Source for original research and innovative new products
- Collaborate with other experts and customers

The requirements for the position are:

- Master's degree or higher in physics or electrical engineering + at least 5 years of experience.
- Expertise in the design, engineering, manufacturing and testing accelerators.
- Experience with simulation codes (HFSS, SuperFish, Monte Carlo, Magic)
- Experience with beam dynamics simulations (i.e. Parmela, CST)
- Experience with magnetic field design codes (POISSON)
- Capable of hardware assembly

- Demonstrated proficiency in project management.

Strong candidates will have skills or experience in one or more of the following areas:

- Medical and industrial accelerators
- SolidWorks
- SolidWorks with simulation
- FEA Mechanical thermal analysis
- Control systems (PLCs, etc.)
- Analog, Digital, and mixed-signal circuits
- High-voltage circuits
- LabView
- SpecView

Interested applicants are encouraged to send an email with a resume and cover letter to jobs@AltairUSA.com with "Accelerator Scientist" in the subject heading.