Fire Protection Engineering Internship (Summer 2022) | Tesla Careers

Go to search

Fire Protection Engineering Internship (Summer 2022)

Job Category
Construction & Facilities

Location
Fremont, California

Req. ID
105786

Job Type
Full-time

Tesla participates in the E-Verify Program

Disclaimer: This position is expected to start around May or June 2022 and continue through the entire Summer term (i.e. through August/September) or into early Fall 2022 if available. We ask for a minimum of 12 weeks, full-time, for most internships. Please consider before submitting an application.
International Students: If your work authorization is through CPT, please consult your school before applying. You must be able to work 40 hours per week. Many students will be limited to part-time depending on their academic standing.

Internship Programs at Tesla

The Internship Recruiting Team is driven by the passion to recognize emerging talent. Our year-round program places the best students in positions where they will grow both technically and personally through their experience working closely with their manager, mentor, and team. We are dedicated to providing an experience that allows for the intern to experience life at Tesla by giving them projects that are critical to their team's success.

Instead of going on coffee runs and making copies, you'll be seated at the table making critical decisions that will influence not only your team, but the overall achievement of Tesla's mission.

Locations Available

- Fremont, CA
- Austin, Texas

About the Team

The infrastructure design team is part of the Tesla EPC (Engineering, Procurement, Construction) department, supporting various infrastructure upgrade projects for manufacturing needs.

The fire protection engineering intern will engage with fire protection discipline functions. Under the mentorship of a staff fire protection engineer, the intern will undertake projects directed at specific topics such as fire alarm, automatic sprinkler systems, special hazard protection systems, hazardous material analysis, and code consultation/compliance. The intern will work cross-functionally with multiple teams (operations, EHS, production, security, external customers, contractors, and consultants) to design and execute projects.

What to Expect

- Research building and fire code compliance solutions and create fire protection system design criteria for new production lines/materials in the facility
- Perform hazardous material analysis for code compliances purposes, such as chemical classification, chemical quantity analysis, chemical inventory management, and related system design support
- Review and comment on shop drawing design packages developed by contractors
- Support staff fire protection engineer and other team members to develop AM&M (Alternate Means & Methods) to local AHJ to help with performance-based design criteria to meet the intent of code
- Support construction team to develop field solutions
- Perform system field inspection and testing observations to ascertain installation meets all design intents

Requirements
- Currently enrolled Undergraduate or Graduate student with major in Fire Protection Engineering, Process Safety Engineering, or Chemical Engineering/Mechanical Engineering with focus/interest in Fire Protection or Process Safety Engineering
- Experience with AutoCAD and/or Revit
- Works well under pressure, cross-functionally, and can manage multiple priorities simultaneously with strict deadlines
- Demonstrate strong ability to embrace and adapt to change, take initiative, showcase curiosity, learn quickly in a fast-paced environment
- Experience in project management or program development is a plus
- Candidate needs to be comfortable with onsite presence supporting an essential business
- Good communication and interpersonal skills with the ability to work in a team environment

Tesla participates in the E-Verify Program

Tesla is an Equal Opportunity / Affirmative Action employer committed to diversity in the workplace. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, age, national origin, disability, protected veteran status, gender identity or any other factor protected by applicable federal, state or local laws.

Tesla is also committed to working with and providing reasonable accommodations to individuals with disabilities. Please let your recruiter know if you need an accommodation at any point during the interview process.

For quick access to screen reading technology compatible with this site click here to download a free compatible screen reader (free step-by-step tutorial can be found here).

Privacy is a top priority for Tesla. We build it into our products and view it as an essential part of our business. To understand more about the data we collect and process as part of your application, please view our Tesla Talent Privacy Notice.