Apply Now

SPACEX

Detection Engineer
at SpaceX

Hawthorne, CA or Redmond, WA or Washington, DC

SpaceX was founded under the belief that a future where humanity is out exploring the stars is fundamentally more exciting than one where we are not. Today SpaceX is actively developing the technologies to make this possible, with the ultimate goal of enabling human life on Mars.

DETECTION ENGINEER

SpaceX is looking for a detection engineer to join the information security team to help protect and drive the SpaceX mission. Information drives our business and we must protect the confidentiality, integrity, and availability of systems and processes across the enterprise. As a highly visible and dynamic organization, we must also value and guard against damage to our reputation and brand. Finally, it is paramount we defend against loss of control or confidence in our systems, to guarantee the highest probability of success. SpaceX information security detection engineers are responsible for building tailored security detections.

RESPONSIBILITIES:

- Work closely with the Security Operations Center (SOC) and engineering teams to improve and build new tailored security detections.
- Build playbooks to properly triage and respond to security incidents.
- Analyze SOC alert statistics and workflows to reduce false positives and properly focus engineering efforts.
- Provide design support on ways to improve detection and response capabilities.
- Provide back-up support to the incident response team when necessary.
- Keep up-to-date on modern attack techniques to continually integrate knowledge into new detections.
- Operate and help mature SOC playbooks, workflow automations, and use cases to protect SpaceX people, missions, and assets.

BASIC QUALIFICATIONS:

- Bachelor's degree in information technology, information security, computer science; OR 2+ years of professional experience in information security developing detections for attacker tactics, techniques, and procedures (TTPs) in lieu of a degree.
- Experience writing and tuning host and network detections.

PREFERRED SKILLS AND EXPERIENCE:

- Experience with scripting languages (Python/PowerShell) for automation.
- Experience with Jupyter notebooks.
- Experience with operating system internals for Linux and/or Windows platforms.
- Experience with modern security information and event management (SIEM) systems such as Splunk and/or ELK.
- Experience automating security operations and incident response processes.
- Strong understanding of security architecture, tool integration, and API development/automation.
- Knowledge of cloud infrastructure and cloud security.
- Reverse engineering and malware analysis.
- Vulnerability research and penetration testing.

ADDITIONAL REQUIREMENTS:

- Must be able to work extended hours and weekends as needed.

ITAR REQUIREMENTS:

Privacy - Terms

- To conform to U.S. Government space technology export regulations, including the International Traffic in Arms Regulations (ITAR) you must be a U.S. citizen, lawful permanent resident of the U.S., protected individual as defined by 8 U.S.C. 1324b(a)(3), or eligible to obtain the required authorizations from the U.S. Department of State. Learn more about the ITAR here.
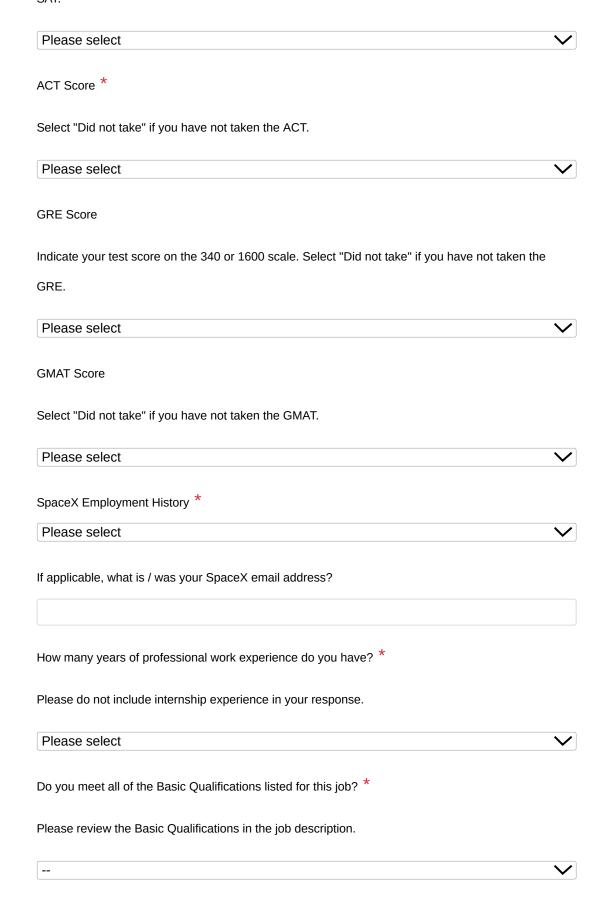
SpaceX is an Equal Opportunity Employer; employment with SpaceX is governed on the basis of merit, competence and qualifications and will not be influenced in any manner by race, color, religion, gender, national origin/ethnicity, veteran status, disability status, age, sexual orientation, gender identity, marital status, mental or physical disability or any other legally protected status.

Applicants wishing to view a copy of SpaceX's Affirmative Action Plan for veterans and individuals with disabilities, or applicants requiring reasonable accommodation to the application/interview process should notify the Human Resources Department at (310) 363-6000.

Apply for this Job   * Required

First Name *

Last Name *

Email *

Phone *

Location (City) *

Locate me

Resume/CV *   Attach or enter manually
              (File types: pdf, doc, docx, txt, rtf)

Cover Letter   Attach or enter manually
               (File types: pdf, doc, docx, txt, rtf)

School

Select a School

Privacy - Terms

Degree

Select a Degree

Discipline

Select a Discipline

Start Date

MM

YYYY

End Date

MM

YYYY

+ Add Another Education

Education Information Confirmation *

☐ I hereby declare the information provided is true and all educational programs listed will be

completed by my start date at SpaceX.

GPA (Undergraduate) *

Select "Not applicable" if you do not have an undergraduate GPA.

Please select

GPA (Graduate) *

Select "Not applicable" if you do not have a graduate GPA.

Please select

GPA (Doctorate) *

Select "Not applicable" if you do not have a doctorate GPA.

Please select

SAT Score *

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Indicate your test score on the 1600 or 2400 scale. Select "Did not take" if you have not taken the SAT.

Please select ⌄

ACT Score *

Select "Did not take" if you have not taken the ACT.

Please select ⌄

GRE Score

Indicate your test score on the 340 or 1600 scale. Select "Did not take" if you have not taken the GRE.

Please select ⌄

GMAT Score

Select "Did not take" if you have not taken the GMAT.

Please select ⌄

SpaceX Employment History *

Please select ⌄

If applicable, what is / was your SpaceX email address?

How many years of professional work experience do you have? *

Please do not include internship experience in your response.

Please select ⌄

Do you meet all of the Basic Qualifications listed for this job? *

Please review the Basic Qualifications in the job description.

-- ⌄

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Are you within a commutable distance or willing to relocate? *

-- ▼

Portfolio

Attach additional content you'd like us to review with your application.

Attach File

(File types: pdf, doc, docx, txt, rtf)

Active Security Clearance(s) *

Select one or more

LinkedIn Profile

Additional Link

Include a link to any additional content (e.g. personal website, portfolio, etc.).

How did you hear about this job? *

If event or other, please specify below.

Please select ▼

Please specify

Are you legally authorized to work in the United States? *

Please select ▼

Citizenship Status *

To conform to U.S. Government space technology export regulations, including the International

Traffic in Arms Regulations (ITAR) you must be a U.S. citizen, lawful permanent resident of the U.S.,

protected individual as defined by 8 U.S.C. 1324b(a)(3), or eligible to obtain the required

authorizations from the U.S. Department of State. Learn more about ITAR here.

Please select	⌄

If (f) Other, please explain:

[   ]

Voluntary Self-Identification

For government reporting purposes, we ask candidates to respond to the below self-identification survey. Completion of the form is entirely **voluntary**. Whatever your decision, it will not be considered in the hiring process or thereafter. Any information that you do provide will be recorded and maintained in a confidential file.

As set forth in SpaceX's Equal Employment Opportunity policy, we do not discriminate on the basis of any protected group status under any applicable law.

Gender

Please select	⌄

Are you Hispanic/Latino?

Please select	⌄

Race & Ethnicity Definitions

If you believe you belong to any of the categories of protected veterans listed below, please indicate by making the appropriate selection. As a government contractor subject to the Vietnam Era Veterans Readjustment Assistance Act (VEVRAA), we request this information in order to measure the effectiveness of the outreach and positive recruitment efforts we undertake pursuant to VEVRAA. Classification of protected categories is as follows:

A "disabled veteran" is one of the following: a veteran of the U.S. military, ground, naval or air service who is entitled to compensation (or who but for the receipt of military retired pay would be entitled to compensation) under laws administered by the Secretary of Veterans Affairs; or a person who was discharged or released from active duty because of a service-connected disability.

A "recently separated veteran" means any veteran during the three-year period beginning on the date of such veteran's discharge or release from active duty in the U.S. military, ground, naval, or air service.

An "active duty wartime or campaign badge veteran" means a veteran who served on active duty in the U.S. military, ground, naval or air service during a war, or in a campaign or expedition for which a campaign badge has been authorized under the laws administered by the Department of Defense.

An "Armed forces service medal veteran" means a veteran who, while serving on active duty in the U.S. military, ground, naval or air service, participated in a United States military operation for which an Armed Forces service medal was awarded pursuant to Executive Order 12985.

Veteran Status

Please select	⌄

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Form CC-305
OMB Control Number 1250-0005
Expires 05/31/2023

<u>Voluntary Self-Identification of Disability</u>

Why are you being asked to complete this form?

We are a federal contractor or subcontractor required by law to provide equal employment opportunity to qualified people with disabilities. We are also required to measure our progress toward having at least 7% of our workforce be individuals with disabilities. To do this, we must ask applicants and employees if they have a disability or have ever had a disability. Because a person may become disabled at any time, we ask all of our employees to update their information at least every five years.

Identifying yourself as an individual with a disability is voluntary, and we hope that you will choose to do so. Your answer will be maintained confidentially and not be seen by selecting officials or anyone else involved in making personnel decisions. Completing the form will not negatively impact you in any way, regardless of whether you have self-identified in the past. For more information about this form or the equal employment obligations of federal contractors under Section 503 of the Rehabilitation Act, visit the U.S. Department of Labor's Office of Federal Contract Compliance Programs (OFCCP) website at www.dol.gov/ofccp.

How do you know if you have a disability?

You are considered to have a disability if you have a physical or mental impairment or medical condition that substantially limits a major life activity, or if you have a history or record of such an impairment or medical condition.

Disabilities include, but are not limited to:

- Autism
- Autoimmune disorder, for example, lupus, fibromyalgia, rheumatoid arthritis, or HIV/AIDS
- Blind or low vision
- Cancer
- Cardiovascular or heart disease
- Celiac disease
- Cerebral palsy
- Deaf or hard of hearing
- Depression or anxiety
- Diabetes
- Epilepsy
- Gastrointestinal disorders, for example, Crohn's Disease, or irritable bowel syndrome
- Intellectual disability
- Missing limbs or partially missing limbs
- Nervous system condition for example, migraine headaches, Parkinson's disease, or Multiple sclerosis (MS)
- Psychiatric condition, for example, bipolar disorder, schizophrenia, PTSD, or major depression

Disability Status

Please select ⌄

[1]Section 503 of the Rehabilitation Act of 1973, as amended. For more information about this form or the equal employment obligations of Federal contractors, visit the U.S. Department of Labor's Office of Federal Contract Compliance Programs (OFCCP) website at www.dol.gov/ofccp.

PUBLIC BURDEN STATEMENT: According to the Paperwork Reduction Act of 1995 no persons are required to respond to a collection of information unless such collection displays a valid OMB control number. This survey should take about 5 minutes to complete.

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