



## Toyon Research Corporation

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CAREER OPPORTUNITIES - Santa Barbara, CA

### **Space Systems Modeling and Simulation Engineer (Ref #2127-H)**

Toyon is seeking individuals with experience in C++ and Python programming languages to support department of defense modeling and analyses. Ideal individuals will also have experience in the following, though not a requirement: systems-level analyses in missile defense, including feasibility studies, requirements analyses, operations research, effectiveness and utility evaluations, concept validation, and technology design and development studies. Individuals will develop and make use of existing analytical tools to support analyses for a wide customer base. Typical projects require formulation of the analysis problem, model development, analysis execution, and presentation of the results to the customer.

The ideal candidate will have the following experience, skills, and ambitions:

- Excellent thinking and problem solving skills
- Ability to formulate concrete analysis problems from imprecise need statements
- Ability to work with others to conceptualize and solve problems
- Versatile in C++ and Python
- Strong math and numerical analysis background
- Knowledge of detection, tracking, and discrimination algorithms
- Experience solving multivariate optimizations

Candidates must have a B.S., M.S., or Ph.D. in computer science, engineering, math, or a physical science.

**U.S. Citizenship Required.** Ability to qualify for a US Department of Defense security clearance required.

WE OFFER AN EXCEPTIONAL EMPLOYEE BENEFITS PACKAGE!

Toyon is an Equal Employment Opportunity Employer Minorities/Females/Vet/Disability