

Data Scientist

Apply

Lexington, Massachusetts, United States

Anduril Industries is a defense technology company with a mission to transform U.S. and allied military capabilities with advanced technology. By bringing the expertise, technology, and business model of the 21st century's most innovative companies to the defense industry, Anduril is changing how military systems are designed, built and sold. Anduril's family of systems is powered by Lattice OS, an AI-powered operating system that turns thousands of data streams into a realtime, 3D command and control center. As the world enters an era of strategic competition, Anduril is committed to bringing cutting-edge autonomy, AI, computer vision, sensor fusion, and networking technology to the military in months, not years.

The Anduril Imaging team develops state-of-the-art infrared imaging systems, deployed to tackle the most significant security challenges of America and its allies. The Imaging team is seeking a Data Scientist for the WISP, Iris, and future products to analyze and mine field and simulation data to help identify ways to further improve those systems to impact mission success.

WHAT YOU'LL DO

- Perform exploratory data analysis of test data to determine drivers of sensor performance and mission success
- Develop performance score cards/dashboards to summarize track accuracy and continuity metrics as well as isolate error sources
- Develop data analytics tool to predict detection range performance under current weather conditions based on past data
- Develop robust classifiers utilizing computer vision, target dynamics and other available information sources
- Determine kill chain work flow bottlenecks for various system of systems utilizing the detection capabilities of WISP

REQUIRED QUALIFICATIONS

- 3+ years of experience
- Python (NumPy, SciPy, pandas), and/or MATLAB, SQL
- Estimation Theory & Convex Optimization
- Data Visualization (e.g. Plotly, Matplotlib)
- Experience working with image and time series data
- Classical Filters (Kalman, EKF, Unscented)
- Ability to think at a system level - strong physics or math background

- Excellent written and verbal communication skills
- Must be eligible to obtain and maintain a U.S. Secret Security clearance

PREFERRED QUALIFICATIONS

- Machine Learning techniques
- Familiarity with C++
- Experience with Nix
- Experience with thermal imaging
- Possess an active U.S. Security clearance

US Salary Range

\$138,000 - \$207,000 USD

The salary range for this role is an estimate based on a wide range of compensation factors, inclusive of base salary only. Actual salary offer may vary based on (but not limited to) work experience, education and/or training, critical skills, and/or business considerations. Highly competitive equity grants are included in the majority of full time offers; and are considered part of Anduril's total compensation package. Additionally, Anduril offers top-tier benefits for full-time employees, including:

- Platinum Healthcare Benefits: For U.S. roles, we offer top tier platinum coverage (medical, dental, vision) that are 100% covered by Anduril for you and 90% covered for your dependents.
 - *For UK roles, Private Medical Insurance (PMI): Anduril will cover the full cost of the insurance premium for an employee and dependents.*
 - *For AUS roles, Private health plan through Bupa: Coverage is fully subsidized by Anduril.*
- Basic Life/AD&D and long-term disability insurance 100% covered by Anduril, plus the option to purchase additional life insurance for you and your dependents.
- Extremely generous company holiday calendar including a holiday hiatus in December, and highly competitive PTO plans.
- 16 weeks of paid Caregiver & Wellness Leave to care for a family member, bond with your baby, or tend to your own medical condition.
- Family Planning & Parenting Support: Fertility (eg, IVF, preservation), adoption, and gestational carrier coverage with additional benefits and resources to provide support from planning to parenting.
- Mental Health Resources: We provide free mental health resources 24/7 including therapy, life coaching, and more. Additional work-life services, such as free legal and financial support, available to you as well.
- A professional development stipend is available to all Andurilians.
- Daily Meals and Provisions: For many of our offices this means breakfast, lunch and fully stocked micro-kitchens.
- Company-funded commuter benefits available based on your region.
- Relocation assistance (depending on role eligibility).

- 401(k) retirement savings plan - both a traditional and Roth 401(k). *(US roles only)*

The recruiter assigned to this role can share more information about the specific compensation and benefit details associated with this role during the hiring process.

Anduril is an equal-opportunity employer committed to creating a diverse and inclusive workplace. The Anduril team is made up of incredibly talented and unique individuals, who together are disrupting industry norms by creating new paths towards the future of defense technology. All qualified applicants will be treated with respect and receive equal consideration for employment without regard to race, color, creed, religion, sex, gender identity, sexual orientation, national origin, disability, uniform service, Veteran status, age, or any other protected characteristic per federal, state, or local law, including those with a criminal history, in a manner consistent with the requirements of applicable state and local laws, including the CA Fair Chance Initiative for Hiring Ordinance. We actively encourage members of recognized minorities, women, Veterans, and those with disabilities to apply, and we work to create a welcoming and supportive environment for all applicants throughout the interview process. If you are someone passionate about working on problems that have a real-world impact, we'd love to hear from you!

To view Anduril's candidate data privacy policy, please visit <https://anduril.com/applicant-privacy-notice/>.