Xator Job Description

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| **Position Information** ***\*\*ALL FIELDS ARE REQUIRED\*\**** |
| **Position Title: Junior Engineer** | **Location** *(City, State, Zip)****:*** *Summit Point, WV 25446 and Remote* |
| **Contract or Division:** Innovative Technology Solutions | **Reports to:** David Boyd |
| **Position Status:**X Full Time [ ]  Part Time [ ]  Temporary | **Annual Pay Range:** Based on skill set and experience |
| **Security Clearance Required?** \_Yes X No If yes, level of clearance required: US Citizen |
| **Prepared by David Boyd** | **Date: 8/30/2022** |

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| **Position Overview** *(Short job summary should give candidates a general idea of expectations for the position and a high-level summary of the role.)* |
| Join a multi-company team of scientists, engineers, and software developers responsible for integrating payload delivery system with an unmanned aerial vehicle. Candidate will be responsible for developingcomputer aided design (CAD) and computer aided manufacturing (CAM) models for a light weight modularsystem that can be integrated with the selected UAV. Candidate will develop CAD models and bench test setups that enable computer activated delivery of payload. This is a full-time position with benefits that offer a flexible work schedule. The selected individual will work as an integral member of the team, and will be responsible for creating prototype solutions; as well as supporting field testing at the Xator Test Facilty (XTF) in Summit Point, WV. This is a entry-level career opportunity for an engineer. |
| **Responsibilities and Duties** *(Put in bullet format)*  |
| * Working with other companies on a multi-team hardware design and integration project.
* Integrating commercial items (sensors, solenoids, etc.) into a prototype delivery mechanism..
* Develop CAD models and designs for components and their connections/interoperability.
* Develop CAM models for 3D printed components.
* Develop bench test prototype and conduct testing of range, accuracy, and effectiveness.
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| **Qualifications and Skills** *(bullet format; include hard and soft skills)* |
| **Education*** (Desired) A.S. degree or higher in a technical or engineering discipline..

**Experience**Required:* Experience with commercial CAD software (AutoDesk product line).
* Experience with both additive (3d printing) and subtractive (CNC Milling) manufacturing

Desired:* Experience with UAS systems.
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| **Specialized Knowledge/Skills Requirements** *(bullet format)*  |
| **Core Skills*** CAD/CAM
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| **Additional Notes** *(Useful information Recruiter might need)* |
| **This person should be a WV resident if feasible as the funding for the effort is a WV earmark.** |