

Ruslan Sergeev

Lead Software Engineer

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Nasa Jet Propulsion Laboratory
Pasadena, California

Guidance & Control Engineer II

In my search for new creative endeavors, I was thrilled to find the Guidance & Control Engineer || opening with NASA Jet Propulsion Laboratory. As an ambitious professional experienced in ADCS systems engineering, I believe that I would make an excellent addition to your team.

I was the lead developer of spacecraft control systems at the first private space company in Russia. The total revenue associated with my projects was about \$15 million. My previous employer keeps on using my control systems in their new projects.

I have designed and implemented control systems for many commercially successful space projects:

- **Chibis M** (Space Research Institute of the Russian Academy of Sciences)
- **Tablettsat Aurora** (Sputnix)
- **Orbikraft PRO** (Sputnix)
- More satellites are preparing to be sent into Earth orbit this year.

Among my responsibilities were following: design, mathematical justification and implementation of software systems such as:

- Attitude control systems,
- Reaction wheels control systems,
- Sensor data processing. Sensor fusion. Kalman filtering.
- Software for flight control centers and testing laboratories.

For a greater illustration of my background and qualifications, please review my enclosed CV. I am eager to speak with you about this opportunity and thoroughly appreciate your consideration.

Sincerely,
Ruslan Sergeev