arcsec

Embedded Software Engineer

Arcsec is a spinoff company of the KU Leuven university and develops attitude determination and control systems for small satellites.

Arcsec delivers its components to companies and universities around the world and is involved in several research projects with the European Space Agency.

The company is based in the center of Leuven.

Role

As Embedded Software Engineer, you will be responsible for the development of the software on our attitude determination and control systems. You will implement low level functionality, set up data protocols, interact with the control engineering team and design new products in collaboration with our FPGA and electrical engineers.

Tasks

- Embedded software development
- FPGA development
- Implementation and testing of communication protocols
- Develop and carry out test procedures
- Report on software architecture and test results.
- Electronics debugging

Required skills

- Bachelor or Master degree in Computer Science Electrical Engineering or Informatics
- Able to write clean code in C and Python and good overall software development skills (Git, documentation, testing).
- Experience with FPGA development
- Hands on experience with electronics
- Fluent in written and spoken English
- Good reporting skills

Desired Skills

- Basic electronic rework/design skills
- Knowledge with space electronics and software design (e.g. Radiation testing, ECSS standards)
- Experience with algorithm optimization

What we offer

⚐ A fulltime job in the Space industry, working with international customers and ESA
⚐ Opportunities to grow
⚐ Competitive paycheck

If you are interested

⚐ Please send your CV and motivation letter to hr@arcsecspace.com
⚐ If you have embedded software hobby projects or a personal Github account, we are interested to learn more.