

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 and testing of the software on our attitude determination and control systems. You will implement control algorithms, set up data protocols and carry out software test procedures.

Tasks

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

Required skills

- Bachelor or Master degree in Computer Science Electrical Engineering or Informatics
- Experience with Algorithm optimization
- Experience with C
- Fluent in written and spoken English
- Good reporting skills

Desired Skills

- Experience with Space mission software design
- Experience with communication protocols (CAN, RS485, I2C)
- Experience with technical software: Matlab (coder), Python
- Experience with Test Driven Development
- Experience with DSP, microcontroller or FPGA programming
- Knowledge of ESA standards (ECSS)

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 tjorven@arcsec.space
- ✦ If you have embedded software hobby projects or a personal Github account, we are interested to learn more.