



MASTER THESIS STUDENT POSITIONS

DEVELOP A PROTOTYPE TO USE ARTIFICIAL INTELLIGENCE FOR SATELLITE ON-BOARD PROCESSING

Are you a student of Electrical Engineering, Computer Science or Informatics?

Are you looking for a hands-on topic for your master thesis?

Are you keen on developing new hardware and/or software for satellites?

JOIN US AT HYPERION TECHNOLOGIES AS MASTER STUDENT

You will be working closely with the Hyperion team, and with other AI Master Students to combine your research on hardware and software. In addition, you will regularly exchange your findings with experienced AI specialists from the Netherlands Aerospace Centre NLR in Amsterdam.



Are you curious and motivated to join? There is plenty to do! Let us know what your skills are and which of the following you can and want to do:

- Analysis of strategy and trends on AI based on Space Agency programmes
- Analysis of current state-of-the-art data processing in satellites
- Compilation of requirements for AI hardware and software for on-board processing
- Analysis of currently available AI hardware and software that may be suitable for on-board processing
- Design of suitable interfaces to “universal” payloads
- Development of an AI-hardware
- Development of software prototype
- Identification of training sources and execution of test trainings
- Compilation of strategy on how, when and where to train the AI
- Participation and/or execution of environmental testing campaign, such as radiation testing
- Support to identify suitable In-Orbit-demonstration

We do not expect you to cover all the above activities. The final distribution of tasks will be based on your interests and specialisation. The positions will be based in Delft, The Netherlands. The selected candidate(s) will receive a monthly student allowance of € 500. The positions can be shaped into being part-time up to full-time, depending on your availability and selected activities.

Start date: as soon as possible, to be agreed upon with the thesis supervisor

Duration: approx. 6 months, depending on the master thesis requirements from your faculty

APPLY NOW!

SEND US YOUR CV, COVER LETTER AND ACADEMIC REFERENCES TO

JOBS@HYPERION.SPACE