



CAPSTONE PROJECT

Give your students an industrial advantage

AdaCore's "Capstones" are real-world, industrial integration projects that are sponsored and mentored by AdaCore engineers. These projects are designed for end-of-curriculum bachelor's and applied master's students, and typically last from a couple of months to a full year.

The Capstones focus on using the Ada and SPARK programming languages and emphasize the development of high-integrity software.

First, a Capstone project is selected from a list of projects that are of interest to AdaCore, the tutor, and the students.

Second, in collaboration with the academic tutor, the project is adapted to fit the needs of the students and/or the academic objectives and context.

If you are interested in participating in a Capstone project, please reach out. We would be delighted to hear from you and explore potential collaboration opportunities.

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Here are some examples of Capstone projects:

- Design and implementation of a networked, embedded oscilloscope.
- Development of a SPARK-based bootloader for embedded platforms.
- Creation of reusable drivers for various bare-metal components such as LCDs and thermocouples.
- Development of support packages for communication protocols such as CAN and FlexRay.
- Implementation of AUTOSAR drivers.
- Creation of a TCP/IP stack for embedded systems.
- Design and implementation of a Flexbox layout system for embedded platforms.

These are just a few examples of the many possible Capstone projects that students could undertake.

Participation is limited to current GAP Members. To register for membership visit www.adacore.com/academia