



## Robocup@Home Software - Machine Learning Researcher

### Role Description:

- Develop ML algorithms to solve tasks for the Robocup@Home competition
  - Tasks mainly consist of speech recognition and computer vision problem solving
- Explore different architectures and approaches to solve the tasks, and determine the most optimal
- Document Work for both selected and discarded approaches for future work

Alongside the specific role description there are the general software member expectations that each member should meet:

- Use Microsoft Teams for all forms of communication with members and mentors for design team related work
- Use the team's Trello board for task management, and stay on track on individual members' responsibilities
- Use team's GitHub organization to for any software related work

### Available Positions: 3

### Requirements:

- Taken a course with emphasis on an object oriented computer language course (Python/C++ would be best)
- Completed a work-term on a role with emphasis on Software Development
- Have passion to learn about state of the art ML algorithms
- Experience with standard tools in software development such as GitHub, VS code (or any text editor of preferences)
- Experience with terminal and any linux distribution
- Experience in ML would be an asset