



UBC OPEN ROBOTICS

Electrical Engineer Position Description:

Our Robocup@Home project involves cutting-edge R&D in the realm of service robotics. The team is progressing towards competing in the internationally-acclaimed Robocup Competition, @Home League. The Arms team is responsible for determining specifications, designing, and building an autonomous robotic manipulator for our Robocup@Home robot. This position focuses on the electrical side of the arm, but there will be collaboration with the mechanical team.

Number of Positions Available: 2

Responsibilities:

- Assisting in the electrical design of the robotic arm
 - Including the arm's control and power circuits
- Work with other electrical team members to design and build electrical test equipment
- Perform detailed validation and specification testing on hardware components and various stages of prototypes
- Write basic libraries in device firmware for integration

Qualifications:

- Third year or above in electrical engineering, engineering physics, or integrated engineering with an electrical major
- Have experience working with circuit design
- Preference given to candidates who have done at least one work term in the field of electrical engineering

Why should you apply?

- Gain a lot of technical skills related to electrical engineering
- Meet awesome people who want to work in the same field
- Potential mentoring available from experienced engineers