Albacastor Technology Limited is a company specialized in innovative gerontechnology product development for people with disabilities (PWDs) and the elderly. We are developing our smart wheelchair prototype, HORIZON, a new concept of integration of “Wheelchair” and “User Transfer System”. It targets to create a better life for all wheelchair users, same as our company slogan - Your Life Companion.

In the future, Albacastor Technology will keep developing diversified gerontechnology products to PWDs and the elderly, creating a barrier-free city for them. In next steps, our products would be integrated into advanced technologies, such as indoor navigation systems and IoT systems, to enlarge the scope of application.

艾柏輪科技有限公司於二零一九年成立，是一所致力於開發樂齡科技產品的創科公司。我們的核心項目—智能輪椅 HORIZON，結合了輪椅及轉移系統兩個概念，目標成為輪椅使用者的生活伴侶，使他們的生活更獨立、方便、安全。

Job Title:
Electronic Engineer Internship
Job Description

- Embedded system development for mobile robot
- PCB and sensors design for AIoT system
- Signal Processing and Control
- Work in a group with Mechanical Eng. intern and Computer Science Intern

- Working Hour: Week: Monday – Friday, Time: 10:00 am – 7:00 pm

* * Our office is at 1/F, HKPC Building, 78 Tat Chee Avenue, Kowloon, Hong Kong
Skills & Requirements

Field of Study:
Bachelor of Engineering in Electronic and Communication Engineering
Bachelor of Engineering in Information Engineering
Department of Electrical Engineering (options: BEng Computer and Data Engineering, BEng Electronic and Electrical Engineering, BEng Information Engineering)

Year of Study: Non-final Year, Final Year

Education Level (pursuing / obtained): Bachelor’s Degree

Spoken Languages: Cantonese, English

Written Languages: Chinese, English

Requirement:
- Personal commitment to quality, attention to detail
- Ensure innovation by actively researching, sharing, and implementing new technologies
- Excellent time management, organisation & prioritisation skills
- Effective, articulate design communication and decision-making skills
- Excellent communications and interpersonal skills
- Past experience deploying robots in a production environment is a plus
- Past experience with embedded systems is a plus
- Familiar with model-based optimal control (i.e., model predictive control) and state estimation
- CAN Communication Familiarity

Hope you can work with us and play with us!