Internship Details – Bear Robotics

1. Goals and Objectives
☞ Description of specific goals and objectives for this program

Interns will be exposed to the world top artificial intelligence software in robotics that leads Industry 4.0 in restaurant space. We expect interns to perform independently and actually contribute to the real product.

Specific goal for the interns:
- Write testing scripts for nightly testing
- Improve robot application code that restaurant employees' control
- Operate robot at the real restaurant environments
- Learn Google-style software development methodology

2. Working Conditions and Environment

a. Working Conditions
☞ Description of compensation and benefits for Interns

$2,000/month compensation. Free lunch every day. Free dinner and beer if you work in the evening. On-site micro-kitchen for drinks, fruits, snacks and coffee. Bike-friendly community. Free food and drinks while working at the restaurant.
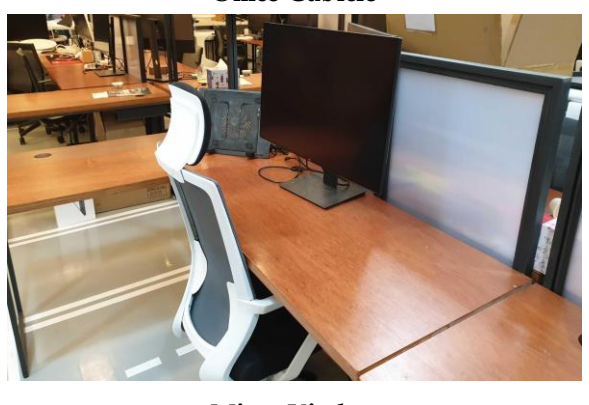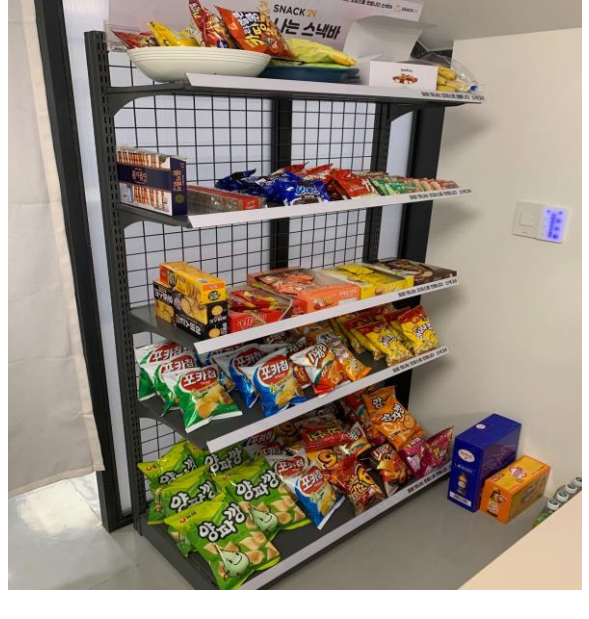
b. Working Environment
☞ Description of the site where Interns will work

Bear Robotics, Inc. office is located in Redwood City which is at the heart of Silicon Valley near Google, Facebook and Oracle. Our primary customer, Google and Amici's Pizza, is located in Mountain View, California. Interns will be provided with a dedicated desk and a laptop and other equipment as well.

☞ Description of the Korea branch office where Interns will work for the time being(If applicable)

Bear Robotics, Inc. office is located in Seongdong-gu, Seoul near Seoul Forest. It is conveniently located near subway stations Seoul Forest station (Bundang line) and Ttukseom station (Line 2, Green line). Interns will be provided with a dedicated desk and a laptop and other equipment as well.

c. Training Site Picture

U.S.A	Korea(if applicable)
Office Cubicle	**Office Cubicle**
Micro Kitchen	**Micro Kitchen**

3. Trainee's Roles and Responsibilities (in detail)
☞ Description of Interns' job description during the program

- Become familiar with ROS (Robot Operating System).
- Become familiar with 2-wheel robot hardware and its control.
- Become familiar with sensor input and processing the sensor data.
- Will learn how to do unit-testing for robots.
- Familiar with dealing with non-deterministic environments.

☞ What specific knowledge, skills, or techniques will be learned?

- Software & Test Eng Intern:
    - Writing robust and solid software
    - Automatic software testing, continuous build/integration
    - Dealing with source code version control, collaboration
- Mechanical Eng intern:
    - Designing and executing verification and reliability tests
    - Mechanical engineering and CAD best practices
    - Basic geometric dimensioning and tolerance (GD&T) for mechanicaldrawings
    - Vendor management and part quality control
- Working as a team and collaborating with other teams (Software, Hardware, Mechanical, Product, UX, QA, Field Ops, etc)
- Cooperating with other teams

4. Requirements for Position
☞ Which specific knowledge, skills, or techniques will be required to perform the tasks?

- Should be able to communicate in English.
- Software & Test Eng Intern:
    - Proficient in programming (Python, C++ or Javascript)
    - Understanding of Linux
- Mechanical Eng Intern:
    - Proficient in using SolidWorks.
- Must be a quick and proactive learner.
- Restaurant serving experience is a plus.
- Team player.

5. Methodology of Training

☞ Include specific tasks and activities and/or methodology of training.

Orientation and training will be performed by CTO, Director.
All internal information will be provided transparently, and the intern will work the same as the regular employees.

- ● Source repository
- ● Hardware and software design documents
- ● Internal wiki-page
- ● Customer lists
- ● Product milestones
- ● Test reports

We will train the intern through Google-style code review and integration testing.

6. Milestone

☞ Time schedule for the program

Orientation and training will be performed by CTO, and Director.
All internal information will be provided transparently, and the intern will work the same as the regular employees.

- ● Week 1 - Orientation of development environment
- ● Week 2 - Learn field operation and basic Robot Operating Systems, Write Objective and Key Results for the internship
- ● Week 3 ~ 16 - Design and implement assigned tasks
- ● Week 7 ~ 27 - Test in a real environment and improve the code.