BZ Robot Inc, an exciting startup in Mountain View, California, USA, is looking for excellent candidates with expertise in real-time control systems (hardware/software), machine vision, autonomous navigation and robotic manipulation. Opportunities of being a member of the founding team that consists of top-tier robotics experts are provided.

BZ Robot Inc. offers a fast-paced work environment, very competitive compensation, stock option, medical and 401K retirement plan benefits.

Degree Level: B.E with 5 years of prior experience, M.S. with at least 3 years experience or Ph.D.;
Fresh graduate students from top-tier universities are also welcome to apply

Major(s): Computer Science, Electrical Engineering, or a related field.

Position 1: Control Hardware Engineer
Your Duties and Tasks:
- Designing multilayer PCBs and firmware for functions including power regulation, motor control, sensor interfaces, and communications;
digital circuit function testing, and verification
- Coordinate with the software team on verification of various algorithms

Skills / Job Requirements:
- Excellent knowledge and proven expertise in microprocessors such as ARM, FPGA, and DSP
- Proven expertise in sensor electronics, including vision, laser, DIO, AIO etc.
- Excellent expertise in industrial data bus including Ethercat, Ethernet/IP, CAN bus.
- Knowledge of RTOS, preferring RTEMS and OROCOS
- Proven system integration skills

Position 2: Control Software Engineer
Your Duties and Tasks:
- Programming of various robot algorithms including motion planning, kinematics, servo control, dynamics
- Algorithms for autonomous or semi-autonomous navigation
- Algorithms for robotic manipulation
- Computer vision
- Tracking algorithm
Skills / Job Requirements:
- Excellent knowledge and proven expertise in software architecture -
- Excellent C++ programming expertise required
  - Knowledge of Linux, and RTOS
  - The ability to develop, understand and implement complex algorithms efficiently and correctly
  - Experience with modern software engineering tools
  - Experience working independently in a large software setting
  - Experience working on controller electronics hardware is a plus,
  - Experience with robot simulation environments and ROS is a plus
  - Excellent communication skills and demonstrate a proven ability to multitask and deliver on challenging software development tasks
- experience bringing a product to market