

Wei Miao

Computer Scientist & Robotics Engineer

Goals:

To contribute my extensive software programming and mechanical engineering skills towards the growth of an innovative product or company.

Professional Experience:

Robotics Engineer (Volunteer)

Longmont Public Library, Longmont, CO
2015-Present



- Designed 3D Model for final design of the BiBli v0.1 education/autism robot.
 - Worked on engineering team to develop a versatile education robot for use in public libraries.
 - Implemented a proprietary Python-based robot and cloud driven media delivery system and robot control.
 - Helped design and build a robotics operating system.
-

QA Software Test Engineer

Pactera, Beijing, China
2011-2013



- Tested mobile phone function, including voice call quality, SMS sending and receiving, mobile packet switches, Wi-fi, Bluetooth and GPS navigation.
- Analyzed mobile phone modem radio frequency calibration via automatic test scripts. Developed test cases.

- Worked as part of an agile software quality assurance team.
-

Windows Software Test Engineer

BeyondSoft, Beijing, China
2010-2011



- Lead function and localization testing for SkyDrive (Microsoft). Edited and maintained test cases, generated and submitted test reports.
 - Ran test cases and submitted bugs with detailed information and error logs.
 - Managed bug statuses, verified and fixed bugs and provided further information and logs to a distributed development team.
-

Software Test Engineer

BeyondSoft, Beijing, China
2010-2011



- Set server configurations and initialized testing environments on local and remote virtual machines.
 - Conducted localization testing and product function testing, edited and maintained test cases, generated and submitted test reports.
 - Maintained bug statuses, verified fixed bugs and provided further information and logs to development team.
-

Education:



Jilin University, Changchun, Jilin, China
Bachelor's Degree of Computer Science and Technology

2010

=====

Projects:

Controlling OWI Robotic Arm Edge with Raspberry Pi through Bluetooth.

I setup an OWI Robotic Arm Edge and programmed it with Python on Raspberry Pi, connected Raspberry Pi with Android smart phone through Bluetooth. Used Android app UI to send command to Raspberry Pi to control the robotic arm.

Robotic arm design for X-Hab with SolidWorks.

I audited an Aerospace Engineering graduate course at the University of Colorado Boulder, and joined the project team as volunteer and provided several robotic arm models designed with SolidWorks.

=====

Awards & Certificates:

Talent Employee Award, Pactera, Beijing, China

2013

Skills:

Skill	Proficiency Level
C/C++	★★★★★
Java	★★★★★
Python	★★★★★
Linux	★★★★★
Android	★★★★★
Arduino	★★★★★
SolidWorks	★★★★
Windows	★★★★★