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WEI MIAO

EDUCATION

Jilin University, Changchun, Jilin, China

Bachelor's Degree of Computer Science and Technology   2010

PROFESSIONAL EXPERIENCE

ROBAUTO.INC   2015.3-Present

Job title: Robotic Engineer

- 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.
- Setup BiBli v0.2 software platform, hardware layout design and assembling.
- Designed a helmet-like shell for BiBli v0.2 with SolidWorks.

Pactera(Beijing)   2011.2-2013.7

Job title: Software Test Engineer

- Onsite contract job at ST-Ericsson for mobile phone firmware integration test

- 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.

BeyondSoft(Beijing)   2010.7-2011.1

Job title: Software Test Engineer

- Lead function and localization testing for SkyDrive (Microsoft). Edited and maintained test cases, generated and submitted test reports.

- Lead function and localization testing for Windows Small Business Server (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.

SKILLS & ABILITIES

Languages: C/C++, Python, Java, HTML, Arduino.

Operating System: Windows, Linux.

Tools: SolidWorks, Git.

AWARDS & CERTIFICATES

Talent Employee Award, Pactera, Beijing, China, 2012.

HOBBIES & PROJECTS

I like robot and mechanical design, and I often do some projects at my spare time with Raspberry Pi and Arduino, here are some projects I ever did.

- 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. Using Android app UI buttons or voice input 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.