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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: Robotics Engineer

- Designed 3D Model for final design of the BiBli v0.1 education/autism Rehabilitation robot.
- Worked on engineering team to develop a versatile education robot for use in public libraries.
- Implemented a proprietary Python-based, cloud driven media delivery system.
- Helped design and build a robotics operating system.
- Setup BiBli v0.2 software platform, hardware layout design and assembly.
- 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 and calibrated 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.

- Setup testing environment for Windows Small Business Server (Microsoft). Ran function and localization test case, generated and submitted test reports.

- Ran and maintained test cases after software upgrade for regression test 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.
	Operating System: Windows, Linux.
	Tools: SolidWorks, Git.

AWARDS & CERTIFICATES	Talent Employee Award, Pactera, Beijing, China, 2012.

SELECTED 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. 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 of NASA - eXploration Habitat (X-Hab) Academic Innovation challenge at the University of Colorado Boulder, and joined the project team as volunteer and provided several robotic arm models designed with SolidWorks.