Full-time Software Engineer

Brief of the company and product

Synarbot, Inc. is a high-tech company originated from Cognitive Anteater Robotics Laboratory (http://www.socsci.uci.edu/~jkrichma/CARL/) under School of Social Science, UCI. The company leverages the knowledges of the Lab, including cognitive sciences, artificial intelligence, and social robotics. It provides robotic solutions to address social and educational need in our society.

Synarbot, Inc. introduces its first product CARBO, a new ecosystem of smart therapeutic programs for supplemental Autism Spectrum Disorder (ASD) care. CARBO is a novel socially assistive robot designed to supplement ASD therapy at home in partnership with regional and private clinics. The robot provides interactive and cooperative games for children to shape their behaviors and improve their social skills. CARBO also aligns with the Internet-of-Things (IoT) concept as it allows therapists, teachers, and parents remote access to analyze the child's development through the therapeutic program. CARBO interconnects parents, children, and therapists by leading technologies in a cost-effective manner. CARBO's missions are to enhance children's lives, alleviate parent's concerns, and optimize therapists time.

Job duty
- Leadership in software development in all aspects.
  - Develop user-friendly graphic programming interface for helping therapists to build their own games.
  - Develop Basic Panoramic Camera and Playback (fps < 24, resolution < 360p)
    - Pre-processing multiple video streams on Raspberry Pi 3
    - Embed panoramic video playback in App (Windows 10, Andriod, iOS)

Requirement
- Loving the challenging environments and ambience in early-stage startups is a prerequisite
- Passions in social robotics is a big plus
- Abilities of independent problem solving is a big plus
- Knowledge about panoramic vision is a big plus
- Familiar with concepts of software engineering
- Familiar with cross-platform Mobile App development (Andriod, iOS, Windows 10)
- Familiar with Microsoft Visual Studio 2015 or newer
- Familiar with C#, C and Xamarin framework

Salary & Stock option
$10.5/hrs ~ $50/hrs and/or 15% ~ 21% equity

To apply, please send resume to Dr. Ting-Shuo Chou at tingshuc@uci.edu or tingshuc@synarbot.com