Yurui Zhou

me@yuruiz.com | 412-352-6225 | lnked.in/yuruiz

EDUCATION

CARNEGIE MELLON UNIV | MS in Electrical Computer Engineering
Pittsburgh, PA | Dec 2014 • Cum. GPA: 3.43 / 4.0

TSINGHUA UNIV | BS in Mechanical Engineering
Beijing, China | July 2013 • Cum. GPA: 87.45 / 100

OBJECTIVE

I'd rather play a crucial and flexible role in a small, agile and stressful team than work as replaceable gear in a established giant one. I don't want to repeat myself day by day and am looking for opportunities that expose me to interdisciplinary challenges. I love building stuff from scratch, solving problems all the way through and growing up with the product.

EXPERIENCE

Software Engineer I Microsoft Band
Oct 2015 – Now | Redmond, WA

- Microsoft Health Platform: Design and implemented the Android side feature to provide a better user experience across Microsoft Band, Microsoft Health Cloud and Microsoft Health Android App.
- Microsoft Band Firmware: Design and implemented new Microsoft Band feature to improve user experience and boost market performance

Software Engineer I Microsoft, OSG, WINCXE, Siplat
April 2015 – Oct 2015 | Redmond, WA

- Servicing bluetooth driver stack for Windows 8.1 and Windows 10.
- Designed and Implemented a Bluetooth Device Simulator so that a virtualized bluetooth devices can be used to quickly validate Bluetooth Drivers.

Research Assistant I Carnegie Mellon University, ECE
Feb 2014 – August 2014 | Pittsburgh, PA

Prototype a postural monitoring device that will empower seniors and their healthcare providers to prevent falls and avoid traumatic injuries.

- Designed the device circuit board to integrate micro controller, wireless bluetooth and inertial sensors.
- Assembled and functional tested (lab and field) of the wearable inertial measurement system.
- On board Programming on micro controller for realtime data collection.

Engineer I Tsinghua University, DPIM
Jan 2013 – Dec 2013 | Beijing, China

Build up a robust sensor network inside mine tunnel for real time management and to assist rescue operation in case of emergency.

- Designed the device circuit board to integrate micro controller with high power antenna.
- On board programming for dynamic network construction and management.
- Implemented the localization algorithm for realtime sensor localization.

SKILLS

PROGRAMMING
Over 10000 lines:
C • Python • Java
Over 5000 lines:
C++ • C#

SOFTWARE
Proficient:
Cadence • ProE • LaTeX
Familiar:
Matlab • AutoCAD