

Zhou Yu, Software Developer

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- Talented software developer with Master degree, strong educational background in computer science.
- Self-motivated professional with a strong work ethic and the ability to get the job done, happy to share knowledge and good teamwork.
- Flexible quick learner who enjoys taking on new challenges and learning new technologies.
- 7+ years experience in startups and large organizations.
- Comfortable as an individual contributor or a team leader.

Corporate Experience

Principal Software Engineer, *Since 2015* [Naton, Co](#) (Beijing)

Developing sensor tag

- Managed a team of 5 engineers, with responsibility for mentoring, roadmap
- Developed a low power rehabilitation equipment for the postoperative patient with C, Python, Javascript, Cordova, and BLE4.0 based on TI CC2541, nRF52832 on Linux.
- Developed debugging tools for the device.
- Responsible for algorithm of motion tracking.
- Code review.

Embedded Programmer 5/2012-5/2015(3 years) Rescond, Co (Beijing)

Developing AED

- Worked with a small team of developers to develop AED (Automatic External Defibrillator) with C and Python on ADI DSP and Linux.
- Responsible for the algorithm of detecting VT, VF.
- Developing AED firmware.
- Developing test tools.
- Writing functional specification and unit test documents.

Programmer 3/2011-3/2012 (1 year) [Aeonmed, Co](#) (Beijing)

Developing Ventilator

- Worked with a small team of developers to develop NVP Ventilator with C# and C on Windows CE and ARM CortexM3.
- Responsible for developing GUI and power management unit.
- Unit Test.
- Collecting feedback about NVP Ventilator from hospitals.

Skills

Software Development

- Codes in: Python, C, C++, JavaScript, and Bash.

- Expert-level development in Python with emphasis on algorithm, wxPython and test tools.
- Excel in C with embedded software development and C++/Qt for infrastructure library development.
- Tools:git/github, clearcase, eugseverywhere, gcc, jlink, nrf52, postgresql.
- Libraries: freertos, matplotlib, wxPython.
- ARM/DSP: spi, i2c, uart, eppi, nand flash control.
- Platforms: Linux.

Education

Master in Computer Science at Shenyang University of Technology (Shenyang, China).
2009-2011

BS in Computer Science at Shenyang University of Technology (Shenyang, China).
2003-2008