INTEL'S CONTRIBUTION FOR JERRYSCRIPT/IOT.JS COMMUNITY

Zidong Jiang

Intel SSG/CSO/STO/Web Technology and Optimization Center

Our Team:
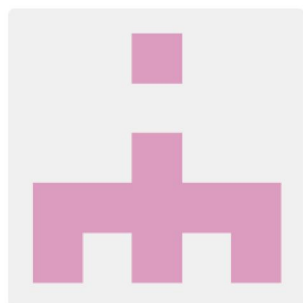# Focus on Web & IoT area

Samuel Xu   Jonathan Ding   Xin Hu   Weiliang Lin   Zidong Jiang

Samuel Xu
samuel-xu

🕸 Intel Corporation
✉ samuel.xu@intel.com
🕐 Joined on 3 Nov 2011

jonathanding

🕐 Joined on 22 Sep 2011

Hu Xin
huxinx

🕸 Intel
◎ BeiJing
✉ xin.a.hu@intel.com
🕐 Joined on 21 Oct 2015

Weiliang, Lin
weilianglin

◎ Shanghai
✉ weiliang.lin2@gmail.com
🕐 Joined on 29 Aug 2013

Zidong Jiang
jiangzidong

✉ zidong.jiang@intel.com
🕐 Joined on 10 Oct 2015

JerryScript Community contribution

- ## Performance Optimization

  - merged commits: #771 #792 #794 #795 #800 #808 #809 #823 (covers ECMA operations e.g. string related operations)

- ## Memory Optimization

  - merged commit: #720 (linked_list memory allocation issue fix)

- ## C++ Features Elimination

  - merged commits: #806 #836 (which is critical for later enabling JerryScript on Arduino101/Curie , since its toolchain is C dominating)

IoT.js Community contribution

- Bug fixing in Build Process

  - merged commits: #271 #289 (make/build related fixing)

- Binary Size Optimization

  - merged commits: #318 #325 (10%+ flash size saved)

- Implement GPIO with libmraa for Intel Edison Board

  - merged commits: #295 #319 => Now Edison GPIO works

Supported platforms

Current supported platforms are **Linux** and **NuttX**

- Build for Linux: Ubuntu 14.04 is used as a base platform.
- Build for NuttX: NuttX 7.9 (Feb 15, 2015)
- Build for Nuttx (new): NuttX latest version
- Raspberry Pi 2
  - Setting Raspberry Pi 2
  - Build for ARM Linux (RPi2)
- Build for Intel Edison with mraa

JerryScript On IA MCU expriement

- After

   1) co-work with community to eliminate C++ features

   2) add our own event-loop and JS-wrapper-APIs

We Enable JerryScript on Arduino101 Board (with Intel Curie inside)