

CONTACT INFORMATION      mobile: +1 219 671 0325  
email: christopherarges@gmail.com

SUMMARY      Enthusiastic, creative, and capable lead software engineer with years of professional experience. Confident working in the open source community and able to collaborate and work globally. Experienced in working in dynamic environments and learning technologies quickly. Interested in both the technical and business aspects of software projects.

**Blog** - <http://chrisarges.net>

**Code** - <http://github.com/arges>

SKILLS      **Languages** - C, Python, Bash, Golang, x86/PowerPC Assembly, R  
**Tools** - Vim, Git, Debian, IRC, Launchpad, Markdown  
**Projects** - Ubuntu, Linux Kernel, Django, Autotest  
**Interests** - Operating Systems, Web Development, Product Design, Linux, Security, Cryptography, Data Mining, Distributed Computing, Music

PROFESSIONAL EXPERIENCE      **Canonical**, Austin, Texas, United States

*Kernel Team - Software Engineer*

**November 2014 – present**

- Prototyped and designed a novel product. Co-ordinated teams across the company.
- Numerous bug fixes for Ubuntu Linux kernel as well as test-case additions.
- Produced numerous contributions to upstream projects such as the Linux Kernel.
- Reviewed patches and assisted with the Ubuntu kernel release process.

*Sustaining Engineering - Technical Team Lead*

**January 2013 – November 2014**

- Lead team of engineers to be able to prioritize and fix a wide range of bugs in Ubuntu. Sync with account managers and stakeholders to ensure bugs are prioritized.
- Work and organize engineering projects with customers using cutting-edge technology.
- Ubuntu core-developer and contributor of many bug-fixes and package updates.

*Sustaining Engineering - Software Engineer*

**October 2011 – December 2012**

- Support stable releases of Ubuntu by handling Linux kernel bugs quickly and effectively. Prioritize customer issues to handle large amount of issues in a short amount of time. Analyze incoming defects and display relevant statistics.
- Handled critical priority cases, attended customer meetings, and on-site debugging.

- Linux kernel bring-up on embedded POWER architecture processor. Responsible for debugging and creating patches to ensure system software validation.
- Led team in utilizing a regular expression hardware co-processor on an open-source project. Planned project architecture, scheduled milestones and software deliveries, and executed project in a timely manner.
- Created software libraries utilizing co-processor functionality on the latest generation of embedded POWER architecture chips. Took ownership in cryptographic, compression, and regular expression co-processor functionality. Contributed numerous test cases, build system fixes, and documentation.
- Created OpenSSL engine and Opencryptoki token for utilizing cryptographic hardware co-processor functionality. Extensive OpenSSL engine tuning completed to greatly increase performance.
- Integrated project-wide global development into an internally released SDK. Responsible for collecting code, documentation and building into a usable environment for developers. Streamlined integration, building, and testing by effective communication and automated scripts. Released on time once a quarter for 100% on time releases.

**IBM Extreme Blue Internship**, Raleigh, North Carolina, United States*Extreme Blue Technical Intern***May 2006 – August 2006**

- Developed network virtualization management interface across Linux servers. Learned quickly new technologies and how pieces of project fit together. Project conclusion presented a working demonstration.
- Lead bi-weekly presentations to establish business and technical values of our project. Presented to interns, mentors as well as executives and VPs.

## EDUCATION

**University of Texas**, Austin, Texas, USA*Masters of Science in Computer Engineering, Software Engineering***2010 – 2012****Purdue University**, West Lafayette, Indiana, USA*Bachelors of Science in Computer Engineering with a Minor in Mathematics* **2003 – 2007**

## PAPERS

**University of Texas Masters Report**, Austin, Texas, USA*Data-Mining The Ubuntu Linux Distribution for Bug Analysis and Resolution* **August 2012****LinuxCon 2010**, Boston, Massachusetts, USA*User-Space Accelerators on Wirespeed Power Processors***August 2010**

## REFERENCES

*Available upon request.*