

# AFEIQUE SHEIKH

U.S. Citizen · afeique@gmail.com · afeique.com

## EDUCATION

***B.S. in Electrical and Computer Engineering***

*Leave of Absence, July 2014*

CARNEGIE MELLON · PITTSBURGH, PA

Capstone completed

## LANGUAGES & SOFTWARE

C/C++, x86(-64), Bash, PHP, Perl, Python, JavaScript, Java, ActionScript 3, Tcl/Tk, Matlab, SystemVerilog, XML, HTML, CSS & SASS, Photoshop, Git, SVN, CVS, MySQL, PostgreSQL

## EXPERIENCE

***Linux Engineer Intern***

*June 2014 - January 2015*

TIMESYS CORPORATION · PITTSBURGH, PA

- » Rewrote company boot-testing system to add URI handling, database logging, and enhanced network efficiency (Perl, PostgreSQL, Bash)
- » Designed front-end interface for boot-testing system using web.py (Python, PostgreSQL, HTML, CSS, JavaScript)
- » Created "Buildtracker" extension to Buildbot web interface for tracking build failures specific to company "factory" software (Python, PostgreSQL)
- » Implemented randomized testing for Buildbot continuous-integration steps (Perl, Bash, Python)
- » Extended Bugzilla XML-RPC commandline script to post build failures (Perl)
- » Administered local drone-network for continuous-integration using Python, pip, and virtualenv
- » Tested the Freescale i.MX53 QSB and TI AM335X Sitara embedded boards

***Programmer, QA Analyst***

*December 2011 - April 2012*

UNIVERSITY OF ROCHESTER · ROCHESTER, NY

- » Worked on URGlobal initiative using MVC-framework (CodeIgniter) atop LAMP stack
- » Focused on logic (PHP) and UI (HTML, CSS, JavaScript and AJAX using jQuery)
- » Added functionality to database models (PHP, MySQL)
- » Designed automated browser regression tests for quality assurance
- » Wrote compatibility patches in anticipation of server upgrades (PHP)

***Digital Design Intern, Kitson Cache Team***

*August 2011 - November 2011*

INTEL CORPORATION · HUDSON, MA

- » Worked on improving regression testing and validation software (Tcl/Tk)
- » Created CLI for querying data from CAD characterizations (Perl)
- » Focused on CAD of VLSI gate structure, silicon layout, and timing

***Web Programmer***

*Spring 2011*

IZIKS INTERACTIVE · PITTSBURGH, PA

- » Developed web software for clientele using in-house CMS framework (PHP, MySQL)
- » Strong focus on improving UIs (HTML, CSS, JavaScript and AJAX using jQuery)

## **HONORS & AWARDS**

Dean's List (Fall 2010) · Xerox Technical Minority Scholarship (Spring 2009)

William Orr Dingwall Grant (2008–2012) · Pittsford Sutherland Honors Graduate (June 2008)