



Huan Truong

308 E Missouri Apt B, Kirksville, MO 63501

660 988-9066; htruong@tnhh.net

Education

- **Truman State University**—BSc, Computer Science
Graduation Date: Dec, 2011
 - GPA: 3.91 (Major) 3.73 (Cumulative)
- **Technical skills:**
 - Programming languages: C++, C, Java, UNIX Shell, PHP, HTML/CSS, JavaScript. Familiar with Python, MySQL, Perl, VB/ASP, Prolog.
 - Good understanding of formal languages and compilers. Working on natural languages.
 - Experienced in embedded Linux and embedded electronics.
 - Good understanding of *NIX & Windows system security, web security.
 - Proficient in various system utilities, benchmarking tools, text editors, image editors, web servers (nginx/Apache) and other multimedia applications/codecs (ffmpeg).
 - Experienced in various education technologies: Course management systems and other educational software applications and appliances.
 - Good understanding of Versioning Control Systems and software engineering processes.
 - Proficient in \LaTeX .

Research & Works

- **Improving Peer-learning Effectiveness with Natural Dialog in SimStudent.** Carnegie Mellon University: Pittsburgh, PA. Jul 2011.
- **Creating Thin-Client Workstations Using Ubuntu** (Co-author with Dr. Donald Bindner). HELIX Conference. Missouri Research and Education Network: Osage Beach, MO. Mar 2011.
- **Google Two-Factor Authentication in a Wristwatch.** [Hack A Day](#). Feb 2011.

Awards & Mentions

- **The Mathematical Contest in Modeling (MCM) 2011.** Honorable Mention Award for Discrete Problem. Truman State University Team [No. 9872](#). Apr 2011.

Leadership Experiences and Activities

- Code contributor, bug reporter, wiki editor for various open-source software projects: Calibre, xvncb, csipsimple, nginx (2006-2011).
- Former President of the FSCK – Truman State University Linux User Group. Organize talks, presentations and other on-campus activities (2010-2011).
- Truman State University Provost's List: GPA of 3.50-3.99 (2008-present).

Work Experiences

- **Human-Computer Interaction Institute, Carnegie Mellon Univ.**—Pittsburgh, PA
Undergraduate Researcher: June–July 2011
 - Studied and contributed to the [SimStudent's](#) codebase.
 - Integrated and improved [Tutalk](#), a smart dialog authoring system into SimStudent to improve peer-learning effectiveness.
- **IT Services, Truman State Univ.**—Kirksville, MO
Technical Support: March, 2008–present
 - Install, program control software applications and conduct support for electronic equipments and software applications in Truman high-tech classroom studios.
 - Install and conduct troubleshooting and support for campus-wide labs and classrooms. Write an application (GenieMon) to report and display live statistics of all computers campus-wide.
- **Rossmap Simulation Software Company**—Hanoi, Vietnam
System Administrator: November, 2007–November, 2008
 - Design and maintain corporate network and website.
 - Install, maintain and conduct support for GPS handhelds and Nautical Simulation Systems.

Sample Projects

- <http://github.com/htruong/> —Github
Independent Developer: 2006–present
 - Truck (Co-author, 2010): Thin Ubuntu-based distribution designed to boot on diskless, low-cost, distributed compiler client workstations. (<http://talc.truman.edu/iso/>).
 - FlashMagic (Author, 2008-2010): Tiny bootable emergency Windows & Linux system rescue suite running on Flash drives.
 - Chronos-OTP Firmware (Author, 2011): Open source firmware enabling two-factor Time-based One-Time Password authentication for Google accounts.
 - TokenChat (Author, 2010): Open-source highly efficient Push/AJAX chat system.
 - GenieMonitor (Author, 2009-2010): Statistical client/server solution to monitor lab computer availability – Mac/Linux & Windows.