

Hans Livingstone

Web: hanslivingstone.com

SKILL-SET

Technical Proficiencies

- Cross-browser: HTML5/CSS3, jQuery, PHP, Perl, Python, MySQL, XML, C/C++, DirectX, OpenGL
- Linux, Unix and Mac OS X Server deployment and administration
- Adept with Adobe Photoshop, Illustrator, and Fireworks

Creative and analytical expertise • Excellent communication skills • Fluent in conversational Japanese

EDUCATION

Tohoku University, Sendai Japan -- Japan's top engineering university Oct. 2009 – 2012

Master of Science: Information Science

GPA: 3.95 / 4.00

- Asian Human Resource Fund ASIST scholar • Japanese Government MEXT full scholarship
- Researching wireless network optimization

Purdue University, West Lafayette, Indiana USA

2005 – May 2009

Bachelor of Science: Computer Science

GPA: 3.70 / 4.00

- Semester Honors • Dean's List
- National Science Foundation CSEMS scholarship
- Lockheed Martin Computer Science scholarship • Walter B. Curtis scholarship recipient
- JASSO Japanese Language Honors scholarship • Purdue Study Abroad merit scholarship

PUBLICATIONS

Best Paper Award at premiere international research conference:

"Gateway Selection in Multi-hop Wireless Networks using Route and Link Optimization," IEEE Global Telecommunications Conference 2010 (Globecom), Miami, Florida, USA, Dec. 2010.

PROFESSIONAL EXPERIENCE

Freelance Web Design and Development 2008 – Present

- Translated documents and academic reports from Japanese to English
- Accelerated collaborative research with York University and Canterbury College

Japanese/English Translation for Taniguchi and Kato Laboratories 2007 – Present

- Translated documents and academic reports from Japanese to English
- Accelerated collaborative research with York University and Canterbury College

Teaching Assistant for Programming Applications for Engineers (CS 159) Spring 2007

- Instructed students in CS concepts and application to physics problems
- Provided out-of-class support and additional assistance

IT Consulting for Title Solutions Inc. Fort Wayne, IN Summer 2006

- Deployed centralized Linux data server for automatic fax archival
- Developed backup scripts responsible for archiving gigabytes of information daily

References available on request.

INDEPENDENT RESEARCH PROJECTS

Developed a Pattern Recognition System for Hand Written Japanese Characters 2007 – 2008

- Researched and presented materials in a Japanese-language environment
- Developed image preprocessing pipeline including Gaussian noise removal
- Implemented the PCA, kNN and Directional Element Feature algorithms in C

Designed and Implemented Real-Time 3D Graphics Engine in C++ 2003 – 2005

- DirectX 9.0, ASM vertex and pixel shaders, per pixel lighting, Quadtree, Scenegrph
- Developed 3D Studio Max 5 plug-in for customized mesh export in C++
- Designed a fast anti-aliased font multi-sampler

Available at: hanslivingstone.com