

Kevin Ellsworth

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1526 Moon River Dr. Apt 1, Provo, UT 84604

Education

Brigham Young University, Provo, UT

MS Computer Engineering – 2011

GPA: 4.0

BS Computer Engineering – 2009

GPA: 3.9

Minor in Asian Studies

Master's Thesis: Radiation Testing of FPGA MGTs with the Aurora Protocol for Improved Reliability

International Education Opportunities

Global Projects – Humanitarian Engineering

Utah / Peru

2009 – 2010

Engineering Globalization Study Abroad

Nanjing, China

2007

Internship with China Regal Cruise Company

Wuhan, China

2006

Course Work

Digital System Design

Advanced Digital Systems

Real-Time Operating Systems

Robotic Vision

Embedded Systems

Reconfigurable Computing

Computer Arithmetic

Advance Computer Architecture (enrolled)

Reliability of Computer Systems

Verification Using SystemVerilog (enrolled)

Work Experience

Research Assistant

BYU Configurable Computing Lab, Provo, UT

2009 - Present

- Project lead on NSF-CHREC project - High Speed Serial IO reliability for FPGA platforms
- Radiation testing of FPGA Transceivers – test design, data analysis, mitigation techniques

Embedded Systems Engineer Intern

ImSAR LLC, Spanish Fork, UT

2009

- Optimized C program algorithms for an embedded system DSP chip
- Worked with manufacturing, marketing, and other aspects of startup company

Production Manager

CM Systems, Salt Lake City, UT

1996 - 2003

- Managed staff of 4-7 employees - Responsible for hiring/firing, payroll, scheduling, etc.
 - Designed, developed, and supervised production of electrical cabling systems
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Volunteer Experience

Vice President, Webmaster

Global Engineering Outreach (BYU)

2009 - 2011

- BYU club / class focused on using engineering to serve developing communities
- Designed low-cost windmill with interdisciplinary team for a Peruvian village

Church Representative

Canada Toronto West Mission

2003 - 2005

- Worked with individuals from China using Mandarin and Cantonese
 - Managed expansion of ESL program to 8 locations involving 50+ church representatives
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Skills

VHDL

C,C++

Java

Linux

Eclipse

MS Office

Verilog

Python

X86 Assembly

Windows

Visual Studio

Photoshop

Proficient in Mandarin Chinese, fundamental Cantonese