

## EDUCATION:

1997 – 2001 University of Michigan: B.S. Computer Science

## *Hewlett Packard Company*

2008 – present: Unified Storage Division – NAS Quality Assurance Team

### Web Application Development

- Sole developer responsible for designing and implementing a full featured desktop-like web application as a front-end to our Test Automation Infrastructure
- Technologies used include ExtJs, CSS, Javascript / Perl, Catalyst, MySQL. Developed using Eclipse + Aptana, Firefox + Firebug, Subversion, and Bugzilla
- More info and screen shots at: <http://helgedom.com/2010/10/ai-gui/>

### User Interface and Feature Test Engineering

- User interface test engineering – oversee aspects of usability and user experience
- Work closely with development, design, write, implement, and automate functional and system level test plans for new features

### Continual Education

- Completed HP's Project Management Fundamentals training course
- Agile development training
- Software Testing Techniques – Finding the Defects that Matter

2005 – 2008: Workstation Division

### Linux Integration Team

- Account management and vendor relations with RedHat, Novell, NVIDIA, Creative, and AMD(ATI) for product integration of professional graphics and audio solutions
- Drove product and customer requirements with vendors, roadmaps, schedules, and process improvements
- Managed a 5 person contracted test team, budget, equipment, training, and test-lab design
- Tested and qualified graphics and audio cards, drivers, high-end multi-card, and multi-monitor solutions
- Worked closely with many customers like Dreamworks, Disney, Pixar and Shell for customer needs
- RPM driver package development and scripting
- Developed automated test suite infrastructure and reporting using PERL and BASH
- *Member of HP Americas recruiting team. Helped interview and participate in recruiting events, have a knack for working with people, getting a sense of strengths and weaknesses, finding gems*

### Client/Blade Project (part time in 2005-2006)

- Helped design & maintain slim 256mb custom Linux OS client image
- Developed web based control panel utility using Webmin
- Set up and maintained team web server, wiki, FTP, blog using WordPress, Linux kick-start images via PXE-boot, and source control using Subversion hosting multiple repositories
- First to push the use of portrait mode multi-monitor configurations into workstation solutions

2004 – 2005 : Workstation Division - Remote Graphics Software Team (RGS)

- Developed (C++) Linux streaming audio solution using ALSA and JACK APIs
- Audio solution of sender and receiver supporting multiple sample rates, mixer code
- Became lead GUI designer using cross-platform C++ QT SDK
- Proposed and implemented improved simple GUI design, now in production
- Managed HP's Linux World conference booth, presented RGS solutions to customers

2002 – 2004 : Workstation Division - Linux Integration Team

### Linux Graphics Liaison

- (Same as above in 2005 – 2008)
- Set up and maintained two web servers, kickstart install images, team wiki and WordPress blog
- 2 years attending SIGGRAPH, exhibition booth presenter

2001 – 2002 : Workstation Division - Windows Graphics Team

- Designed and developed user interface for the “HP OpenGL Interceptor” application using QT SDK for Windows, Linux, and Unix

**SKILLS:**

OS: **Linux (all flavors)**, Windows and Unix. Would love to learn MAC OS.  
Web: PHP, Flash / Flex 3 / AS3, CSS, Javascript, ExtJs, JQuery, YUI, WordPress, Drupal  
Tools: Eclipse, Visual Studio, Subversion, Clearcase, Bugzilla, Quality Center, SharePoint, VI, Apache, VMware, Samba, NFS, wikis, Trac, MS Office, OpenOffice, Gimp, Photoshop  
Languages: C++, C, PERL, MySQL, PYTHON, BASH, QT, JAVA  
Other: Organized, fast learner, thorough, project management skills, can multi-task, team player. Produce high quality, well thought solutions. Realize the benefit of documentation, not just good code comments.

**HOBBIES:**

Cycling (mountain, road, commuting), garage rat and amateur wrench, guitarist since 8yrs old, music nerd and audiophile, yoga, wakeboarding and snowboarding, back-country tele, cooking, tinkering with web design and blog themes.

**REFERENCES:**

- Ryan Batch – Graphic Designer and Studio Proprietor, good friend: 303-817-7769
- Kim Jensen – HP Co-Worker for many years: 970-898-4618