

Kenneth Graunke

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Objective

I am looking for full time software development work (30–40 hours/week) at a company which is furthering the open source movement. I would like to live in the Portland, Oregon area.

Expertise

Programming in C, C++, Haskell, PHP, Bourne shell, and more
Linux kernel development
Compilers and run-time systems

Education

Portland State University

Bachelor of Science in Mathematics (Summa Cum Laude)

August 2006 / 4.0 GPA

Master of Science in Computer Science

August 2009 / 4.0 GPA / expected date—currently finishing thesis
“Extensible Scheduling in a Haskell Based Operating System”

Open Source Experience

The GNOME Project—<http://www.gnome.org> (1999–2002)

- A variety of tasks: documentation, website maintenance, news updates, bug reports, and small patches.
- Maintained IRC services on many GIMPnet channels.

PlaneShift—<http://www.planeshift.it> (2006–Present)

A popular GPL'd MMORPG with 10,000+ players.

Engine Developer

- Designed and implemented a new server-side scripting system; responsible for the magic system actually working
- Completed rewrite of inventory system started by principle engineer, rescuing a release that was far behind schedule
- Cleaning up architecture and code-base to ease the learning curve for new and prospective developers.
- Often consulted by other developers for advice

Employment History

PSU Skills Enhancement Tutoring Center (04/2004–08/2006)

Mathematics Tutor

- Tutored students in mathematics courses at all levels.
- Helped students increase their problem solving skills, interest in the field, and confidence in their own abilities.

Novell, Inc. / SuSE (07/2007–09/2007)

AppArmor Developer (Summer Internship)

- Investigated the addition of IPC and dbus mediation to the open source AppArmor security framework.
- Developed a prototype Linux security module to log use of SysV shared memory and Netlink, allowing the team to see how IPC is used by everyday desktop applications.
- Extended AppArmor to mediate SysV shared memory (both kernel code and the userspace policy parser)
- Discovered and patched a significant performance issue when mediating programs that share file descriptors.
- Wrote a prototype AppArmor log parsing library in Haskell.

Community of ChristChurch (10/2007–07/2009)

Worship Arts Coordinator (volunteer since 2005, then staff)

- Planned music and creative elements for weekly services
- Led the music team when music director was travelling
- Communicated vision and plans between various teams