

**Michael Frysinger**  
223 Bailey Road  
Holden, MA, USA, 01520

**508.847.7488 (Cell)**  
**781.461.3949 (Work)**  
**vapier@gmail.com**  
**vapier@gentoo.org**

## EXPERIENCE

**Analog Devices Inc**, Norwood, Massachusetts *2006-current*

Systems application engineer for Linux embedded systems running on the Blackfin processor. Lead maintainer of the Blackfin Linux port as well as the Blackfin Das U-Boot (bootloader) port. Assist in maintenance of the Blackfin ports of GNU Binutils (assembler, linker, etc...), GNU GDB (debugger), gdbproxy (gdb/jtag monitor), and UrJTAG, and the enter Blackfin Linux distribution. Created a fully functional Blackfin processor simulator on top of the GNU Simulator.

**Allegro MicroSystems Inc**, Worcester, Massachusetts *2000-2006*

Developed and maintained systems to aid the engineering and operating staff. Systems involved MS SQL databases backends with frontends ranging from ASP/HTML websites to Visual Basic applications. Experience with integrating disparate systems such as Windows, Linux, VMS, Unix, and closed hardware.

**Gentoo Foundation Inc** *2002-current*

Holding a wide variety of roles from package maintainer to herd leaders. Currently leading the Base System, Toolchain, and embedded groups. Also hold significant roles in the Architecture teams for Arm, HP-PA, Itanium, IBM zSeries (s390), and SuperH. Active Embedded developer on the side. Wrote, documented, and maintain the cross-compiling infrastructure that all of Gentoo/Embedded is based on. Assist in low level maintenance of the Gentoo/Hardened project with topics including TEXTRELS/PIC/PIE/ELF scanners.

**Open Source Projects** *2003-current*

- [Linux Test Project \(LTP\)](#): testing and verifying Linux systems
- [uClibc](#): micro C library for embedded Linux systems
- [BusyBox](#): replacement of common UNIX utilities for embedded systems
- [UrJTAG](#): program for controlling devices via JTAG (CPUs, flashes, etc...)

## EDUCATION

**Bachelor of Science** *2000-2004*

Worcester Polytechnic Institute, Worcester, Massachusetts  
Major: Computer Science

### Project Work:

- MQP: Design and Implementation of TCP Splice for Linux
- IQP: Design and Implementation of Arthritis Care Intranet

### Programming Skills:

- C, C++, Assembly
- SQL, PHP, ASP, HTML, TCL
- Java, Visual Basic
- Bash, awk, sed