

# Jeffrey Nelson

(Please email me for contact details)

Website: <http://macpod.net>

Email: [nelsonjm@macpod.net](mailto:nelsonjm@macpod.net)

---

## Professional Objective

To be involved with innovative technology based projects where I can use and improve my software development knowledge to later lead projects or become a technical expert. Fields of interest include high performance computing and embedded electronics.

## Education

Graduated with a BS in Computer Science and Math Minor from Virginia Tech in May 2008. Major GPA = 3.5, Accumulative GPA = 3.3

## Experience

- 2008-Present     Software Engineer, Lockheed Martin IS&GS, GPS IIF  
Work includes fixing and testing software bugs relating to C++ and Perform files using ClearCase, ClearQuest, Solaris, and Citrix.
- 2005-2008        Virginia Tech System-X & HESS Supercomputers  
Responsibilities included hardware repair, networking, administrative software development, and documentation for 1100 node Xserve cluster. Developed parallel OS installation system and Linux kernel drivers for G5 Xserves. Setup and helped administer the Geosciences 96 node Dell cluster named HESS. Work was performed during summer break as well as school semesters.
- 1999-2005        Webmaster, Tackett's Jackets & Stuff / Classic Travel  
Jobs required quick updates, accurate work, and an artistic eye. Work included construction and maintenance of a dynamic search engine.
- 2002-2005        Facility Attendant, Lake Ridge Golf & Marina  
People, safety, and management skills were necessary for job. Promoted from Dock Worker to Facility Attendant in under one season.

## Special Skills

- Language knowledge of C, C++, Java, Objective-C, PHP, BASH, Perl, HTML, CSS, and XML.
- Competent user of Mac OS X and Linux, has knowledge of Subversion, Adobe Photoshop CS and Cat-5 Certified

## Other

- Holds DoD Secret Clearance
- Available for travel

## Activities

- 2004-2008        Student Technology Council  
Acted as Chairman of 2007 Spring Technology Showcase
- 2006-2008        Virginia Tech Freeride Mountain Bike Club

## Hobbies

- 2003-2007        iPod-Linux Collaborative Project  
Created and maintained OS X Installer for open source iPod-Linux project. Project required understanding of software, iPod hardware, mass distribution of software to public, and technical support. All collaboration was done virtually using technologies such as IRC, forums, and Media Wiki.
- 2008-Present     Open Handset Alliance Android Development  
Built and programmed a robot in Java/C that can be remotely controlled wherever cellular phone based internet service is present. Also made a video-streaming robot based on the Surveyor Corporation's SRV-1 robot controller that is controlled over WiFi using a T-Mobile Android based G1 phone.
- 2006—Present     Downhill and XC mountain biking