

# David A. Parker

david@neongoat.com

**Objective** To increase my expertise in cutting-edge technology that intersects with practical business applications. To research aspects of Linux, security, and systems infrastructure that can be developed into new products.

**Education** **University of California, Santa Barbara** June 2005  
B.S., Computer Science, College of Creative Studies. Minor, Linguistics.

**Projects** **WingMan**  
An embedded in-car computer providing a digital music library, maps, navigation, and car diagnostics. Custom hardware is required for accommodating an automotive environment. Software is designed for easy intuitive control by the driver using innovative interaction techniques. Various pieces of Open Source software are tied together with a heavily customized Linux distribution and front-end interface.

## **Debian Linux Developer**

As part of the volunteer-driven development team of the Debian Linux product, maintain software packages that are part of the official distribution, handle bug reports, and participate in the political events of the worldwide developer community.

## **Database Independent Abstraction Layer for C**

Implements a database-independent abstraction layer in C, similar to the DBI layer in Perl. As the leader of this open-source project, frequently make design decisions with co-author and a handful of highly involved users who offer suggestions and code enhancements.

## **Vibecast Broadcasting Suite**

A suite of components tying together broadcast automation, computer-based DJing, and live Internet radio. Developed to fill a void in the market when Brentwood Radio station was built.

**Experience** **Research & Development** June 2002 – present  
Novacoast Santa Barbara, CA

Conduct research in the fields of Linux, Open Source software, security, and Novell infrastructure. Design and develop products that the Company's clients need. Perform security assessments and automate business processes for large corporations, financial institutions, and schools.

## **Systems Architect**

Super Duper Hoops 2004 – 2005  
Tarzana, CA

Evaluated and implemented new platform for online commerce, migrated legacy data, wrote software to allow B2B transactions with suppliers and partners. Set up load-balancing multi-route gateway/firewall. Guided development group's efforts on new technologies.

## **Owner, Consultant**

Neon Goat Productions 1998 – 2005  
Tarzana, CA

Provided computer consulting services to individuals and small businesses. Services included computer training, repair, application development, and website design.

## **Chief Technologist**

RE/MAX Grand Central 1996 – 2002  
Tarzana, CA

Migrated office infrastructure from problematic Windows NT systems to more manageable, cost-effective, flexible Linux systems. Implemented file serving, backups, firewall, network management, and e-mail services that function seamlessly with the predominantly Windows network. Built accounting database, automated tasks with computer telephony equipment.

## **Founder, General Manager, Technical Engineer**

Brentwood Radio (KBWS 104.9 FM) 1999 – 2001  
Los Angeles, CA

Helped build low power radio station available to the nearby community. Performed research and planning, daily administration, set policies, hosted show, evaluated and installed all audio equipment and computer technology. Administered network, built dynamic website to reflect live broadcast content.

**Skills** **Primary Languages**

C, Python, Perl, Java, PHP, SQL, C++, Shell scripting

## **Major Experience Areas**

Software development, application design, Linux customization, network and information security, databases, system administration, web applications, reverse engineering for interoperability