

Nicholas Savile Robinson

401 South Barrington Avenue, #216, Los Angeles, CA, 90049
USA: +1 (213) 342-1985 AUS: +61 42 332 0946 UK: +44 20 3355 0714
www.nicholassavilerobinson.com me@nicholassavilerobinson.com

A Mechatronic Engineer educated in Software Development, Embedded Systems Design and Mechanical Engineering, experienced with Open-Source Web/Application Development, Linux Server Administration and Autonomous Vehicles.

Technical Expertise

Operating Systems: DOS, Windows, Linux (Debian, Ubuntu, CentOS, Fedora), Mac OS
Virtualization: Amazon EC2, Xen Cloud Platform, Parallels, VMWare, Microsoft VirtualPC
Architectures: AVR, ARM Cortex-M3/A8, PIC
Databases: MongoDB, MySQL, PostgreSQL, Microsoft Access, Microsoft SQL Server, SQLite
Languages: C/C++/C#/Cocoa, Java, Ruby, VB, MIPS, Haskell
HTML, CSS, JavaScript, Node.js, PHP, ASP/ASP.NET,
ActionScript 3.0, Python, Perl, VBScript, MATLAB, LabView
Frameworks: Ruby on Rails, CakePHP, Qt
Design Suites: Adobe Flash, SolidWorks, CATIA, Pro/ENGINEER, RobotStudio, EaglePCB
CMS: Drupal, Joomla, WordPress, osCommerce

Professional Experience

Grab, Los Angeles, CA, USA

Game Developer / Lead System Administrator

2010 - Present

- Social Network API integration
- Core PHP/Javascript/AS3 framework implementation
- Project deployment
- Tools development
- Internal / external server administration
- Systems engineering, research and expansion

CloudTronix, Sydney, NSW, Australia

Freelance Web Application Developer

2003 - Present

- Developing custom PHP/MySQL Websites for assorted clients
- Technology consultation
- Search Engine Optimization

Cyber Technologies, Perth, WA, Australia

UAV Simulation Developer

Summer 2010

- Developing training package simulation software
- Training clients in simulation use

Cyber-Rain, Los Angeles, CA, USA

Embedded Application Development

Winter 2009

- Modification of existing ARM Cortex-M3 embedded software
- Creation of an embedded web interface

Academic Qualifications

Bachelor of Mechatronic Engineering, University of New South Wales, Sydney, NSW, Australia **2010**

- Dean's Honors, First Class
- Sun Microsystems Australia, Prize in Java Programming

Other Qualifications

- Commercial Pilot License (Helicopters), Heliwest, Western Australia **2005**
- Basic Aeronautical Knowledge, Western Australian Aviation College, Western Australia **2005**

Web Portfolio

- **Stay in This, Fashion Opinion Crowdsourcing - Founding CTO / Webmaster**
Website - <http://www.stayinthis.com>
- **Cygnus, Wholesale Satellite Services - Webmaster**
Website - <http://www.cygnus.net.au>
- **QLD Coal Corporation, Natural Resources Company - Webmaster**
Website - <http://www.qldcoal.com>
- **Theta Chi Fraternity, UCLA Beta Alpha Chapter - Webmaster**
Website - <http://www.bruinthetachi.org>

Open Source Involvement

- BoxeeBox Remote Control PHP SDK using JSONRPC
 - <https://github.com/nicholasrobinson/BoxeeBox-PHP-JSONRPC>
- BoxeeBox Remote Control PHP SDK using Boxee/XBMC Remote Control Interface (HTTP API)
 - <https://github.com/nicholasrobinson/BoxeeBox-PHP-RemoteControlInterface>
- Regular contributions to Buffalo Linkstation/KuroBox Debian Distribution
 - http://buffalo.nas-central.org/wiki/Install_Debian_Lenny_on_Stock_Kurobox
- Creator of XSens MTi-G module for Open Robot Control System
 - http://www.ros.org/browse/details.php?name=xsens_mti

Unmanned Aerial Vehicle Exposure

Cyber Technologies CyberQuad - Training Simulation Developer **2010**

<http://www.cybertechnuav.com.au>

- Developed training package simulation software

UNSW MAVSTAR - Pilot / Engineer **2009 - 2010**

<http://www.robotics.unsw.edu.au/mavstar/>

- Competed at the 4th US - European MAV Flight Competition in Pensacola, Florida
- Achieved 3rd place in the indoor competition
- Achieved 1st place in the report and presentation competition

Entecho Mupod - Test Pilot **2007**

<http://www.entecho.com.au>

- Conducted preliminary flight tests with the Mupod prototype