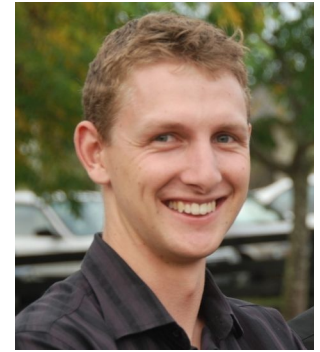


Robbie MacKay

Curriculum Vitae



PERSONAL DETAILS

Name: Robert MacKay

Preferred name: Robbie

Email: rm@robbiemackay.com

Phone: +64 27 576 2243

Address: 4/26 Fairlands Ave, Waterview, Auckland, New Zealand.

Citizenship: New Zealand Citizen.

UK Visa: Ancestry Visa - Application in progress.

I been working in web development since 2002 and graduated Bachelor of Engineering (Computer Systems) in 2009. I have a history of using my initiative and project leadership. I thrive on challenges and actively seek opportunities for growth. I feel comfortable working in rapidly changing environments, thinking creatively and developing new ideas and concepts. I am passionate about the web and creating high quality applications.

RELEVANT SKILLS, STRENGTHS & EXPERIENCES

- Working in web development since 2002. Full time for the last 1.5 years.
- Experience in different roles: in-house web developer, web developer in an agency, volunteer IT/Web Manager and work on open source projects.
- Experience developing with Content Management Systems (Drupal and Silverstripe).
- Experience with Linux server administration.
- Experience in object orientated design and programming.
- Experience integrating with payment gateways, accounting systems and social media.
- Experience with computer development tools and languages, including:
 - PHP, Python, Java, C++, C, Javascript, Perl and Matlab. (Programming languages)
 - HTML, CSS, jQuery. (Web dev.) MySQL, PostgreSQL and Oracle. (Databases)
 - Adobe Photoshop, Inkscape, GIMP. (Image manipulation software)
 - Subversion, Mercurial and Git. (Version control systems)
- Graduated Bachelor of Engineering (Computer Systems) 2009.
- Strong communication skills.
- Ability to both supervise and work in teams effectively.
- Ability to work independently and take initiative when required.

WORK EXPERIENCE

2009-2010 Greenpeace New Zealand – Web Developer

- Developed web based applications and websites.
- Used the web for social change campaigning.
- Online fundraising. Including analysis of online fundraising platforms to improve results
- Developed and maintained the Sign On website (www.signon.org.nz) – based on Drupal CMS. Built microsites (shop.greenpeace.org.nz). Added features and security fixes (greenpeacegiving.org.nz).
- Working with Flickr and Twitter APIs.
- Integrating multiple sites with Payment Express for credit card processing.
- Linux server administration – managing multiple virtual servers, Apache/PHP/Mysql/PostgreSQL configuration, bash scripting, vsftp, automated backups. Deployed new sites and updates. Set up version control (Git & SVN).
- Managing websites and image feeds during live events under high load.

2008-2010 Engineers Without Borders NZ (Volunteer position)

- Web and IT Manager for Engineers Without Borders NZ (www.ewb.org.nz).
- Managed the website content and platform (Drupal CMS).
- Developed online payment (donation) and membership system.
- Member of the founding committee for Engineers Without Borders NZ.

2000-2009 Self employed web development & programming

- Clients:
 - Zann St Pierre (gilligans.com.au)
 - SunnySideUp (fairtradenap.net and resumetemplates-usa.com)
 - Delphinus Technology (resalention.com)
 - Anglican Diocese of Waikato (www.hn-ang.org.nz and terauaroa.hn-ang.org.nz)
 - Society of Saint Francis - New Zealand
 - Econet Wireless New Zealand
 - Houchen Retreat House
 - New Zealand Aviation News
- Developed websites and database applications for clients and provided website design/development, database design and basic graphic design.
- Developed custom web applications based on Silverstripe content management system.
- Delivered a content management system using Jojo CMS (jojocms.org) and provided custom plugins for the CMS.
- Set up and management of Linux web servers.

2007-2008 Genesis Interactive – *Web Based Systems Developer* (Summer Job)

- Developed web based applications and websites for clients. Implementing full sites from an overall design provided by a graphic designer.
- Developed the company's existing content management system. Including adding a new AJAX based content administration interface and security fixes.
- Developed a stock and inventory tracking component for the company's flagship customer relations management (CRM) system – LiveCRM.
- Created new features for a client's existing CakePHP based web application.
- Set up a linux development server. Including Apache/PHP/MySQL, Mercurial and SVN for version control, Trac issue tracking, incremental backups, and Webmin control panel.

2006-2007 Navman New Zealand – *Software Testing Engineer* (Summer Job)

- Performed user acceptance testing (UAT) on new products being developed by the company's car navigation division.
- Development of test cases for new product lines – F40, F50 & S Series products.
- Using bug tracking software – Jira.

EDUCATION

University of Auckland – 2004-2008

Bachelor of Engineering (Computer Systems)
Graduated May 2009.

Final Year research project

20% of the year's work – Grade: A-

Goal: To implement a computer stereo vision system which would return data in realtime. The system was built in VHDL to be implemented on Altera FPGAs.

During the project I became proficient at writing and debugging VHDL systems, and I gained knowledge into computer vision systems, in particular stereo vision algorithms.

(View report: <https://www.ece.auckland.ac.nz/p4p/Reports2007/Volume%201.pdf> p572)