

# Curriculum Vitæ

## Tristan Davey

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## Education

### James Cook University

Bachelor of Information Technology with Honours

2008-2011

- Class 2A Honours
- Prize for Excellence in Third Year Bachelor of Information Technology (2010)

## Previous Work Experience

### Senior Software Engineer

SafetyCulture Pty Ltd

June 2012 – Current

- Designing, developing, testing and launching cloud-based software:
  - iAuditor Public Library* - A collaboration tool for sharing OH&S documents between companies using the iAuditor mobile application.  
*Python, Google Datastore, Google App Engine*
  - SafetyCloud* - A cloud-based management system for safety inspections conducted on mobile devices allowing central co-ordination, ad-hoc sharing, backup and storage of completed inspections.  
*Python, Javascript, HTML, CSS, Google Datastore, Google BigQuery, Google App Engine*
- Developing requirements definitions, project requirements and defining deliverables and timelines.
- Assisting in the development of an engineering team growing from 2 engineers to over 20.
  - Establishing and documenting policies and procedures.
  - Training, inducting and supervising new employees.
- Other Duties:
  - Network Engineering and administration.
  - Database Engineering, backup and maintenance.
  - Customer Support including on-site and phone support.

### Web Developer

Mojito Solutions

June 2011 – June 2012

- Designing, developing, testing and maintaining web-based software:
  - MojitoCMS* - A proprietary web-based content management system and framework for clients of Mojito Solutions.  
*PHP, MySQL, Javascript, HTML, CSS*
  - Online Ticket Sales Website* - A website allowing visitors to review, RSVP and purchase tickets for local and national events. The website included integrated payment and ticketing mechanisms, administration tools and ticket validation systems.  
*PHP, MySQL, Javascript, HTML, CSS*
- Configuring and maintaining an array of CentOS Apache web servers and MySQL database infrastructure.
- Client consultancy, requirements development and ongoing client communications.

## Information Technology Instructor

James Cook University

July 2009 - June 2012

- Instructing classes of up to 70 students on technical curricula.
- Providing assistance to individual students who are struggling with their curriculum.
- Marking assessment of students according to a given rubric.
- Consulting with senior academic staff regarding student development and analysis of upcoming curriculum.

## Salesperson/Photographic Product Specialist

Dick Smith Electronics Pty. Ltd.

September 2007 – June 2011

- Consistently maintain high quality customer service – received several written commendations of personal service quality.
- Ensuring quality product presentation, merchandising, cleanliness and pricing integrity.
- Maintain and operate Fujifilm photographic lab equipment and responsible for quality control of photographic products.
- Perform troubleshooting and fault finding for customer goods in-store and on-site.
- Set-up and configured computer systems, performed network and telephony patching, network routing and configured point of sale hardware and software.

## Technical Acumen

### Languages

Programming	Python, Coffeescript, Javascript/ECMAScript, PHP, Javascript, Scheme, Java, C++, C, Actionscript
Query	GQL, BigQuery, MySQL, MSSQL, PL/SQL
Markup	XML, XUL, (X)HTML, YAML
Other	CSS, LaTeX

### Platforms

Desktop	Microsoft Windows 2000/XP/Vista/7, GNU/Linux, MacOS
Server	Windows Server 2003, GNU/Linux and BSD-based Operating Systems
Distributed	Google App Engine

### Software

Productivity	Microsoft Office Suite, LibreOffice Suite, Google Docs, Microsoft Visio, Dia, LaTeX, MikTeX, Lyx
Development Tools	Eclipse, Aptana Studio, Android Studio, Microsoft Visual Studio, Netbeans, Adobe Dreamweaver
Graphics	Adobe Photoshop, Adobe Flash, Autodesk AutoCAD, Autodesk Maya
Database	Couchbase, Google Datastore, Google BigQuery, CloudSQL, Oracle Database Suite, MySQL Workbench, MySQL Server, Microsoft SQL Server
Web	Wordpress, Modx, Joomla, Drupal, Magento
Source Control	Git (including Github), Subversion
Other	Apache Webserver, GNU Compiler Suite, Weka

## Professional Associations and Memberships

### **Australian Computer Society**

Associate

2010 - Current

### **World Wide Web Consortium Federated Social Web Community Group**

Contributor

2012 - Current

### **PyNQ - North Queensland Python Users Group**

Member

2013 - Current

## Other Skills and Competencies

- Coordinated fundraising events and activities, chaired meetings and volunteered in various community service roles.
- Experience with electronic cash registers, the use and administration of computerized point of sale systems and supply chain management systems.
- Fujifilm trained Frontier wet mini-lab operator – extensive training in the operation, maintenance, upkeep and repair of Fujifilm mini-labs and photo kiosks.

## Other Interests and Activities

- James Cook University Student Mentor (2010-2011)
- Member of Lions International
  - Member of The Cathedral School Leo Club (2005-2007)
    - Club President (2006)
  - Member of Twin Cities Leo Club (2007-2013)
    - Club President (2008-2009)
    - Received *100% Leo Club President Award* for 2008-09 Presidential Term
    - Club Delegate at Lions International Conference (2010)
  - Member of Townsville Northern Suburbs Lions Club (2013-Current)