

# Nicholas Whyte

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## Education

- **University of New South Wales** **2014-Present**  
Currently in second year, studying Bachelor of Science (Computer Science).
  - COMP1917 - Computing 1 **HD**
  - COMP2041 - Software Construction **HD**
  - COMP1927 - Computing 2 **HD**Currently studying Algorithms and Programming Techniques, Computer Networks and Applications, and Microprocessors
- **Gymea Technology High School** **2008-2013**  
Completed Information Processes and Technology and Information Technology (VET) one year accelerated, sitting HSC for these two courses in 2012. ATAR: 89.55.

## Employment

- **TwoPi Code** - Lead Developer, Director **2014-Present**  
As a lead Developer and owner of TwoPi Code, I am responsible for a significant portion of code production in several projects. I am able to heavily influence the overall design of these projects by working closely with other staff. Due to my role, most responsibility of team management and coordination is handed to me, giving me the opportunity to effectively manage other developers in my team.
- **University of New South Wales - Course Tutor** **2015-Present**
  - COMP1917 - Computing 1  
An introductory course to computer programming. Teaches students how to program effectively and develop problem solving skills. Students learn C and the underlying concept of machine code.
- **L&J Computers - Technician** **2012-2014**  
As a technician at L&J Computers, I performed detailed repairs on computers for both business customers as well as home customers.
- **McDonalds - Crew Member** **2010-2012**  
Awarded crew member of the month within the first 2 months of starting work. Rating "Exceptional"™ by store manager.

## Programming

### Languages

Extremely proficient in the following list of programming languages

Python/Python(Flask)

(JavaScript/jQuery/HTML/CSS/Less)

Objective  
C/Foundation/Cocoa

C

PHP

MySQL/SQLite

Bash Scripting

## Projects/Libraries/Contributions

A list of projects I am proud of. Including large open source projects I have contributed to, personal products and open source libraries.

- **Library** [Flask-Ldap3-Login](#) - Connect your flask app to your LDAP directory (1.3k Downloads/Month)
- **Library** [Flask-Boilerplate](#) - Get up and running with MVC in 30 minutes
- **Library** [Flask-Phantom-Emoji](#) - Opensource Emoji for your Flask App
- **Library** [python-maketools](#) - Build dependencies in Python
- **Library** [NWPi \(Python\)](#) - Use PyGame objectively, with similar naming to Cocoa on iOS
- **Contribution** [flask-sqlalchemy](#) - Use Raw SQLAlchemy models with Flask-Sqlalchemy ([see pull request #250](#))
- **Contribution** [gitlab-pyapi](#) - Allow Project Issues to be filtered by passing kwargs ([see pull request #112](#))
- **Project** [Listy](#) - An iOS app to share and collaborate on lists with friends and family (2012)
- **Project** [L Plater](#) - An iOS app to allow NSW Learners log their driving hours on their phones.
- **Project** [Playlist Grabber](#) - Export iTunes playlists and songs to your Android Phone
- **Project** [SiriProxyGUI \(2011\)](#) - GUI for SiriProxy, allowing less tech savvy users to set up SiriProxy
- Business management database in MS Access for L&J Computers during employment to convert a paper based system.
- Additional *closed source* projects worked on during employment at [TwoPi Code](#) available to discuss upon request.

[See more on GitHub](#)

## Additional Qualifications

- Extremely comfortable with WSGI deployment on Linux
- Broad knowledge of Linux server systems (Debian)
- Moderate experience with web scale technology (Redis)

## Achievements & Volunteer Work

- Certificate II In Information Technology. Awarded Sutherland BEN VET Excellence Award
- School Prefect at GTHS
- Offered UNSW Co-op Scholarship Conditional Offer
- Offered University of Wollongong Deans Scholar Scholarship
- CSESoc (UNSW) First Year Camp Leader
- Offered Microsoft U-Crew position for 2014

## Referees

[Available upon request →](#)