

Curriculum Vitae

Nicholas Lambourne

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<https://ndl.im> | <https://github.com/nicklambourne>

EMPLOYMENT HISTORY

Technical/Financial Advisor

June 2016 – December 2017

ADLED Pty. Ltd. | Cleveland, QLD, Australia

Responsibilities:

- ❖ Managed a network of LED billboards across South-East Queensland
- ❖ Systems research & development
- ❖ Developed/maintained an online resource monitoring portal
- ❖ Financial reporting to investors & industry bodies
- ❖ Evaluation of external sales team performance
- ❖ Consulted directly with CEO/Directors on company financial strategy

Technical Advisor

October 2015 – June 2016

SS Signs & Vehicle Wraps | Cleveland, QLD, Australia

Responsibilities:

- ❖ LED Billboard Installation/Calibration
 - ❖ LED Billboard Maintenance
 - ❖ Content Management Suite Training
 - ❖ CMS Suite Evaluation
 - ❖ Oversaw the development of a boutique CMS system
 - ❖ Travelled internationally to evaluate LED panel and control chip manufacturers & CMS software
 - ❖ Developed and deployed a software system to maximise ad impressions by controlling the rotation of LED billboards to face oncoming traffic
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PROJECTS

ndl.im: (<https://github.com/nicklambourne/personal>)

Personal website/blog/portfolio built using NodeJS, Express and MongoDB with an automated build pipeline using Jenkins for CI/CD, hosted on Heroku.

uqcs.org.au: (<https://github.com/UQComputingSociety/website>)

Contributed to the visual overhaul of the university's computing society website (Ruby/Jekyll) and fixed various longstanding behavioral bugs.

uqcsbot: (<https://github.com/UQComputingSociety/uqcsbot>)

Contributed new scripts and script overhauls to our university computing society Slack bot, written in JavaScript.

adled.io: (*proprietary/closed source*)

Developed and deployed a proof-of-concept web management portal for the monitoring of ADLED's network of LED Billboards. It utilized various APIs to provide real-time status tracking and live video feeds to management and technicians. It was built using Python, Django, PostgreSQL and was hosted on a DigitalOcean cloud instance using Gunicorn and nginx.

LED Billboard Rotation System: (*proprietary/closed source*)

Developed and deployed an embedded system for controlling the mechanical rotation of a large-format LED billboard. This system used a demonized Python process running on a Unix-based device and was later upgraded to include a GUI element and concurrency-based features.

LANGUAGES & SKILLS

Languages

- ❖ Familiar: Python, Java, C, JavaScript, HTML, CSS, SQL
- ❖ Encountered: Matlab, Atmel AVR, Ruby
- ❖ Learning: Go, Haskell

Tools, Libraries & Concepts

- ❖ Familiar: Vim, PyCharm/Webstorm/IntelliJ, Unix Environments, VCS (Git/Github & SVN), Object-Oriented Programming, MVC, Unit Testing, Web Frameworks (ExpressJS, Django, Flask), Statistical Analysis
- ❖ Encountered: Apache, nginx, PostgreSQL, MySQL, AWS EC2/S3, Network Programming, Concurrency, CI/CD (Jenkins), Wordpress, NoSQL (Mongo), Agile, TDD, Jupyter Notebooks

EDUCATION

The University of Queensland

Bachelor of Engineering (Software Engineering)

2016 – Present | Expected Completion: December, 2019

The University of Connecticut | Exchange Studies | Spring, 2018

The University of Glasgow | Exchange Studies | Fall, 2018

The University of Queensland

Bachelor of Commerce (Finance)

Class of 2015

The University of Queensland

Bachelor of Science (Psychology)

Class of 2015

Cannon Hill Anglican College

Queensland Certificate of Education

2002 – 2010

AFFILIATIONS

Node Girls

Mentor | 2017 – Present

Django Girls

Mentor | 2017 – Present

Robogals - University of Queensland Branch

Volunteer | 2016 – Present

University of Queensland Computing Society

Member | 2015 – Present

Coochiemudlo Island Coast Care

Web Administrator | 2016 – Present

REFEREES

Rob Sharp (CEO)
ADLED Pty. Ltd.
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Phil Toop (Director)
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