

Curriculum Vitae

Nicholas Lambourne

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EMPLOYMENT HISTORY

Technical/Financial Advisor

June 2016 – December 2017

ADLED Pty. Ltd. | Cleveland, QLD

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
- Client relations
- 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

Responsibilities:

- LED Sign Installation/Calibration
 - LED Sign 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 & 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 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 utilized Python, Django, PostgreSQL and was hosted on a DigitalOcean cloud instance using Gunicorn and nginx.
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LANGUAGES & SKILLS

- **Languages**
 - ❖ Familiar: Python, Java, C, JavaScript, HTML, CSS, SQL
 - ❖ Encountered: Matlab, Atmel AVR, Ruby
 - ❖ Learning: Go, Haskell
 - **Tools, Libraries & Concepts**
 - ❖ Familiar: Git/Github, Vim, PyCharm/Webstorm/IntelliJ, Unix, Statistical Analysis
 - ❖ Encountered: Apache, nginx, PostgreSQL, MySQL, AWS EC2/S3, Network Programming, Concurrency, CI/CD (Jenkins), Wordpress, NoSQL (Mongo), Agile, TDD, Web Frameworks (ExpressJS, Django, Flask), Jupyter Notebooks
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EDUCATION

- **The University of Queensland**
Bachelor of Engineering (Software Engineering)
2016 – Present (Expected Completion: May 2020)
 - **The University of Queensland**
Bachelor of Commerce (Finance)
Class of 2015
 - **The University of Queensland**
Bachelor of Science (Applied Psychology)
Class of 2015
 - **Cannon Hill Anglican College**
Queensland Certificate of Education
2002 – 2010 (Graduated with Honours)
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AFFILIATIONS

Node Girls

Mentor (2017 – Present)

Django Girls

Mentor (2017 – Present)

University of Queensland Computing Society

Member (2015 – Present)

Robogals - University of Queensland Branch

Volunteer (2016 – Present)

University of Queensland Veg Society

Treasurer (2017)

Black Dragon Kai Karate Club – Wynnum Dojo

Member (2010 – Present)

Coochiemudlo Island Coast Care

Web Administrator (2016 – Present)

REFEREES

Rob Sharp (CEO)
ADLED Pty. Ltd.
261 South St, Cleveland, QLD
+61 419 790 894
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Phil Toop (Director)
School & Office Supplies
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