

NICHOLAS LAMBOURNE

Brisbane QLD, Australia · nick@ndl.im · +61 407 980 730 · ndl.im

EDUCATION

The University of New South Wales Bachelor of Science & Engineering (Honours; Computer Science)	Sydney, NSW, Australia Feb 2021 - Jul 2022
The University of Queensland Bachelor of Science (Computer Science) <ul style="list-style-type: none">• Exchange Studies (Computer Science) - The University of Connecticut	Brisbane, QLD, Australia Graduated 2020 Jan 2018 - May 2018
Bachelor of Commerce (Finance) & Bachelor of Science (Psychology)	Graduated 2015

EXPERIENCE

Atlassian <i>Site Reliability Engineering Intern</i> <ul style="list-style-type: none">• Attached to the Platform SRE team, I am currently working on various projects related to the reporting of service level objective (SLO) performance to internal teams.	Sydney, NSW Nov 2020 - Present
The University of Queensland - School of IT & Electrical Engineering <i>Research Assistant</i> <ul style="list-style-type: none">• Contributed to the development of Elpis, abstracting away the complexity of the Kaldi automatic speech recognition (ASR) library. Our team has taken a CLI toolkit and developed an abstraction layer and GUI using React and Flask. <i>Teaching Assistant</i> <ul style="list-style-type: none">• <i>Voyages in Language Technologies</i> (COMP3001): taught computational linguistics and helped prepare course material.• <i>Computer Systems Principles and Programming</i> (CSSE2310): taught students systems programming using C and Unix.• <i>Programming in the Large</i> (CSSE2002): taught Java/OO programming and developed course teaching materials.	Brisbane, QLD Jun 2018 - Present Jul 2018 - December 2020
Canva <i>Software Engineering Intern</i> <ul style="list-style-type: none">• As part of the infrastructure team, built a shell script transpiler framework and reference generator targeting Python 3.• Created an interactive playground, using Python, Flask and React, allowing for real-time transpilation in the browser.	Sydney, NSW Dec 2019 - Feb 2020
Patchd, Inc. <i>Software Engineering Intern</i> <ul style="list-style-type: none">• Worked on parallelisation strategies for training recurrent neural nets in the detection of sepsis from vital sign data.	San Francisco, CA Jan 2019 - Feb 2019

SKILLS

Languages:	Python, Java, C, JavaScript, SQL, HTML/CSS, \LaTeX
Tools:	Web Frameworks (Flask, Django, ExpressJS), SQL DBs (PostgreSQL, MySQL), NoSQL (Mongo), CI/CD (Jenkins, Travis), Cloud Platforms, Containerisation (Docker)

PROJECTS

Elpis - Accelerated Linguistic Transcription <ul style="list-style-type: none">• Part of a team developing an abstraction framework and GUI for speech recognition using the Kaldi ASR library.	github.com/CoEDL/elpis
SlackBlocks - Slack API Wrapper & PyPI Package <ul style="list-style-type: none">• A Python library, published on PyPI, for back-porting the Slack Blocks API to earlier versions of the Slack client.	github.com/nicklambourne/slackblocks
Hermes - Language Resource Creator <ul style="list-style-type: none">• A cross-platform Python/Qt application for creating language teaching resources from linguistic analysis files.	github.com/CoEDL/hermes
UQCSbot - A Python-Based, Extensible Slack Bot <ul style="list-style-type: none">• Contributed new Python scripts, script overhauls, and code reviews to my university computing society's Slack bot.	github.com/UQComputingSociety/uqcsbot

VOLUNTEERING

University of Queensland Computing Society <ul style="list-style-type: none">• As president in 2019 I organised talks and events, secured sponsorships, and managed the club's open source projects.• Oversaw a 30% increase in membership, twofold increase in number of events held, and a 75% increase in sponsorship.• Returned to manage the events portfolio as part of the 2020 executive committee, organising more than 50 events.	2015 - Present
Node Girls, Django Girls, & Robogals (Brisbane Chapters) <ul style="list-style-type: none">• Provided mentorship in web and robotics technologies in an effort to increase female representation in technology.	2016 - Present

SCHOLARSHIPS, GRANTS & PRIZES

UQ Faculty of Engineering, Architecture & IT - Hawken Scholar	(2020)
UQ IdeaHub San Francisco Startup Adventure Participant	(2019)
UQ Summer Research Scholarship	(2019)
UQ Advantage Grant (CoEDL Summer School)	(2018)
UQ Winter Research Scholarship	(2018)

References available upon request