

NICHOLAS LAMBOURNE

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EDUCATION

The University of Queensland Bachelor of Science (Computer Science) <ul style="list-style-type: none">Exchange Studies (Computer Science) - The University of Connecticut Bachelor of Commerce (Finance) & Bachelor of Science (Psychology)	Brisbane, QLD, Australia Feb 2016 - Dec 2020 Jan 2018 - May 2018 Graduated 2015
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EXPERIENCE

The University of Queensland - Complex & Intelligent Systems Group <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 took a CLI toolkit and developed a GUI using React and Flask.	Brisbane, QLD Jun 2018 - Present
The University of Queensland - School of IT & Electrical Engineering <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 in C and Unix.<i>Programming in the Large</i> (CSSE2002): taught Java/OO programming and developed course teaching materials.	Brisbane, QLD Jul 2018 - Present
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 a framework and GUI for automatic 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 - The Language Resource Creator <ul style="list-style-type: none">Developed a cross-platform Python/Qt application for creating language 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.The society won the <i>Best Faculty Club of the Year</i> award at the 2019 UQ Union Clubs & Societies awards night.	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 IdeaHub San Francisco Startup Adventure Participant	(2019)
UQ Summer Research Scholarship	(2019)
UQ Advantage Grant (CoEDL Summer School)	(2018)
UQ Winter Research Scholarship	(2018)
UQ Abroad Travel Grant (University of Connecticut)	(2018)

References available upon request