

# NICHOLAS LAMBOURNE

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## EDUCATION

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

## EXPERIENCE

<b>Atlassian</b> <i>Site Reliability Engineering Intern</i> <ul style="list-style-type: none"><li>• 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.</li></ul>	Sydney, NSW Nov 2020 - Present
<b>The University of Queensland - School of IT &amp; Electrical Engineering</b> <i>Research Assistant</i> <ul style="list-style-type: none"><li>• 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.</li></ul> <i>Teaching Assistant</i> <ul style="list-style-type: none"><li>• <i>Voyages in Language Technologies</i> (COMP3001): taught computational linguistics and helped prepare course material.</li><li>• <i>Computer Systems Principles and Programming</i> (CSSE2310): taught students systems programming using C and Unix.</li><li>• <i>Programming in the Large</i> (CSSE2002): taught Java/OO programming and developed course teaching materials.</li></ul>	Brisbane, QLD Jun 2018 - Present Jul 2018 - December 2020
<b>Canva</b> <i>Software Engineering Intern</i> <ul style="list-style-type: none"><li>• As part of the infrastructure team, built a shell script transpiler framework and reference generator targeting Python 3.</li><li>• Created an interactive playground, using Python, Flask and React, allowing for real-time transpilation in the browser.</li></ul>	Sydney, NSW Dec 2019 - Feb 2020
<b>Patchd, Inc.</b> <i>Software Engineering Intern</i> <ul style="list-style-type: none"><li>• Worked on parallelisation strategies for training recurrent neural nets in the detection of sepsis from vital sign data.</li></ul>	San Francisco, CA Jan 2019 - Feb 2019

## SKILLS

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

## PROJECTS

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

## VOLUNTEERING

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

## SCHOLARSHIPS, GRANTS & PRIZES

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

*References available upon request*