

# Maxwell Bo

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EMPLOYMENT	<b>Skedulo</b> , Brisbane, Australia Software Developer Intern Jan 2017 – Present <ul style="list-style-type: none"><li>Full-stack development, working with purely functional Scala (Play, Finagle, Typelevel ecosystem), TypeScript (React, RxJS, GraphQL), Ruby (Cucumber), PostgreSQL + PostGIS, C# (Xamarin) &amp; Kotlin (Android)</li><li>Led a feature team to overhaul Skedulo's internal service administration applications, reducing burden on support and CS</li><li>Rebuilt customer facing onboarding procedure for improved usability, involving design, frontend and backend development</li><li>Refactored scheduling and resource tracking microservices, eliminating long-standing transient errors and performance issues</li></ul>
EDUCATION	<b>University of Queensland</b> , Brisbane, Australia Bachelor of Science (B.S.), Computer Science Extended Major Jul 2015 – Est. Jan 2019 <ul style="list-style-type: none"><li>6.1/7 GPA</li><li>Dean's Commendation for Academic Excellence, awarded for a minimum semester GPA of 6.6</li></ul> Nov 2017
VOLUNTEERING	<b>UQ Computing Society</b> , University of Queensland Secretary Nov 2017 – Oct 2018 <ul style="list-style-type: none"><li>Responsible for room bookings, catering, and organising speakers for our biweekly events, including student talks, industry panels, hackathons, and social events</li><li>Assisted with maintaining the society's custom software, including Slack bots, member management/signup tooling, and website</li><li>Wrote and presented official UQCS educational talks</li></ul> <b>UQ United Nations Student Association</b> , University of Queensland Model UN Officer (Executive) Feb 2018 – Oct 2018 <ul style="list-style-type: none"><li>Served as a chairperson and technical director for internal UQUNSA Model United Nations simulations</li></ul> Director - BrizMUN Apr 2017 <b>YOW! Lambda Jam</b> , Sydney, Australia Student Volunteer May 2018
PROJECTS	<b>Muncoordinated</b> Model UN committee management service Oct 2017 – Present <ul style="list-style-type: none"><li>Used at all internal UQUNSA Model UNs. Dramatically reduced burden on committee directors, cutting administration time by 30 minutes per day (50%)</li><li>Seen use at all large Australian MUNs, and 20 international MUNs. Over 200 unique users per month</li><li>Actively maintained. Built with TypeScript, React, Firebase &amp; Semantic UI</li></ul> <b>neoreader</b> Screenreader for Neovim Aug 2017 – Present <ul style="list-style-type: none"><li>Awarded 1st place at the QUT Code Network Winter Hackathon 2017</li><li>Supports infix operator identification for Haskell, as well as Python 3 specific AST analysis for more intelligible reading</li><li>Used by at least 2 vision impaired developers. Actively maintained</li><li>Preparing to support Scala AST analysis by assisting the Scala Center accessible-scala initiative. Contributed initial proof-of-concept, scala-verbal-descriptions</li></ul>
SKILLS	<b>Programming Languages</b> Experienced Python, Scala, Haskell, TypeScript Learning Erlang, Prolog, Idris, Kotlin, C# Encountered Elm, Rust, Java, C, Ruby, PostgreSQL, C++ <b>Tools, Libraries &amp; Concepts</b> Experienced Git, React, Play, Finagle, Scala Typelevel ecosystem, formal logic Familiar $\LaTeX$ , Unix, Rx(JS / Monix), GraphQL, PostGIS, Cucumber, Selenium, Gurobi, Xamarin compilers, formal methods, discrete mathematics, algorithms & data structures
INTERESTS	Functional programming, FRP, compilers, dependent typing, formal methods, concurrency, UI/UX Regular attendee of monthly Brisbane Functional Programming Group (BFPG) meetups Attendee of PyCon AU 2018 and YOW! Lambda Jam 2018 conferences
ACHIEVEMENTS	<b>Best Design Award</b> UQ Computing Society Hackathon Aug 2018 <b>3rd Place</b> Microsoft College Code Competition Mar 2018 <b>1st Place</b> QUT Code Network Winter Hackathon Aug 2017 <b>Runner-up Best Delegate</b> Asia-Pacific Model United Nations Competition Jun 2015 <b>Silver Award</b> The Duke of Edinburgh's International Award 2013
CERTIFICATIONS	<b>Grade 8 Classical Guitar</b> Trinity College 2014
REFERENCES	References available upon request

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