Maxwell Bo

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EMPLOYMENT	**Atlassian**, Sydney, Australia	
	Software Developer Intern	Nov 2018 – Jan 2019

Skedulo, Brisbane, Australia

Software Developer Intern — Jan 2017 – Present
- Full-stack development, working with purely functional Scala (Play, Finagle, Typelevel ecosystem), TypeScript (React, RxJS, GraphQL), Ruby (Cucumber), PostgreSQL + PostGIS, C# (Xamarin) & Kotlin (Android)
- Led a feature team to overhaul Skedulo's internal service administration applications, reducing burden on support and CS
- Rebuilt customer facing onboarding procedure for improved usability, involving design, frontend and backend development
- Refactored scheduling and resource tracking microservices, eliminating long-standing transient errors and performance issues

EDUCATION

University of Queensland, Brisbane, Australia

Bachelor of Science (B.S.), Computer Science Extended Major — Jul 2015 – Est. Jan 2019
- 6.1/7 GPA
- Dean's Commendation for Academic Excellence, awarded for a minimum semester GPA of 6.6 — Nov 2017

VOLUNTEERING

UQ Computing Society, University of Queensland

Secretary — Nov 2017 – Oct 2018
- Responsible for room bookings, catering, and organising speakers for our biweekly events, including student talks, industry panels, hackathons, and social events
- Assisted with maintaining the society's custom software, including Slack bots, member management/signup tooling, and website
- Wrote and presented official UQCS educational talks

UQ United Nations Student Association, University of Queensland

Model UN Officer (Executive) — Feb 2018 – Oct 2018
- Served as a chairperson and technical director for internal UQUNSA Model United Nations simulations

Director - BrizMUN — Apr 2017

YOW! Lambda Jam, Sydney, Australia

Student Volunteer — May 2018

PROJECTS

Muncoordinated, *muncoordinated.io*

Model UN committee management service — Oct 2017 – Present
- Used at all internal UQUNSA Model UNs. Dramatically reduced burden on committee directors, cutting administration time by 30 minutes per day (50%). Used at all large Australian MUNs, and over 20 international MUNs. Over 200 unique users per month
- Actively maintained. Built with TypeScript, React, Firebase & Semantic UI

neoreader

Screenreader for Neovim — Aug 2017 – Present
- Awarded 1st place at the QUT Code Network Winter Hackathon 2017
- Supports infix operator identification for Haskell, as well as Python 3 specific AST analysis for more intelligible reading
- Used by at least 2 vision impaired developers. Actively maintained
- Preparing to support Scala AST analysis by assisting the Scala Center accessible-scala initiative. Contributed initial proof-of-concept, scala-verbal-descriptions

SKILLS

Programming Languages

Experienced	Python, Scala, Haskell, TypeScript
Learning	Erlang, Prolog, Idris, Kotlin, C#
Encountered	Elm, Rust, Java, C, Ruby, PostgreSQL, C++

Tools, Libraries & Concepts

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

Best Design Award UQ Computing Society Hackathon	Aug 2018
3rd Place Microsoft College Code Competition	Mar 2018
1st Place QUT Code Network Winter Hackathon	Aug 2017
Runner-up Best Delegate Asia-Pacific Model United Nations Competition	Jun 2015
Silver Award The Duke of Edinburgh's International Award	2014

CERTIFICATIONS — **Grade 8 Classical Guitar** Trinity College — 2014

REFERENCES — References available upon request

[This document is accurate as of 2018-10-27]