Maxwell Bo

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EMPLOYMENT	**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)
- 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. Jul 2019
- 6.1/7 GPA
- Dean's Commendation for Academic Excellence, awarded for a minimum semester GPA of 6.6   Nov 2017

VOLUNTEERING   **YOW! Lambda Jam**, Sydney, Australia

Student Volunteer   May 2018
- Granted the oppurtunity to watch and participate in the conference's numerous lectures and workshops regarding applied functional programming, while not involved with organisational matters

UQ Computing Society, University of Queensland

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

UQ United Nations Student Association, University of Queensland

Model UN Officer (Executive)   Feb 2018 – Present
- Serves as a chairperson and technical director for internal UQUNSA Model United Nations simulations
- Served as a technical adviser and contributor to the Asia-Pacific Model United Nations Competition 2016 Brisbane Bid

Director - BrizMUN   Apr 2017

PROJECTS   **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

Muncoordinated

Model UN committee management service   Jun 2016 – Present
- Used at all internal UQUNSA Model UNs. Used at external MUNs, SydMUN 2017 and VicMUN 2018, managing over 200 delegates. Dramatically reduced burden on committee directors, reducing adminstration time by 30 minutes time per day. Actively maintained
- TypeScript, React, Firebase, Semantic UI

SKILLS   **Programming Languages**

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

Tools, Libraries & Concepts

Experienced	Git, React, Play, Finagle, Scala Typelevel ecosystem
Familiar	LaTeX, Unix, Rx(JS / Monix), GraphQL, PostGIS, Cucumber, Selenium, Gurobi, Xamarin formal logic, compilers, formal methods, discrete mathematics, algorithms & data structures

INTERESTS   Compilers, functional programming, dependent typing, theorem provers, UI/UX

Regular attendee of monthly Brisbane Functional Programming Group (BFPG) meetups

ACHIEVEMENTS

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	2013

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

REFERENCES   References available upon request

[This document is accurate as of 2018-05-20]