

Maxwell Bo

max@maxbo.me • 0447 724 462
maxbo.me • github.com/MaxwellBo • linkedin.com/in/max-bo/

EMPLOYEMENT

Skedulo, Brisbane, Australia

Software Developer Intern

Jan 2017 – Present

- Full-stack development, working with purely functional Scala (Play, Finangle, Typelevel ecosystem), TypeScript (React, RxJS, GraphQL), Python
- Led a feature team to overhaul Skedulo's internal service administration applications
- Rebuilt Skedulo's customer facing onboarding procedure, involving design, frontend and backend development

EDUCATION

University of Queensland, Brisbane, Australia

Bachelor of Science (B.S.) in Computer Science Extended Major

Jul 2015 – Est. Q2 2019

- 6.1 GPA
- Dean's Commendation for Academic Excellence, awarded for a minimum semester GPA of 6.6
- Regular attendee of monthly Brisbane Functional Programming Group (BFPG) meetups

Bachelor of Arts (B.A.) in International Relations

Feb 2015 – Jul 2015

Did not complete

VOLUNTEERING

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

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

BrizMUN - Director

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
- Python 3
- Used by at least 2 vision impaired developers. Actively maintained. Currently preparing to support Scala AST analysis, delegating to scala-verbal-descriptions

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Model UN committee management SPA

2016 – Present

- TypeScript, React, Firebase, Semantic UI
- Actively maintained. Used at all internal UQUNSA Model UNs. Used at external MUNs, SydMUN 2017 and VicMUN 2018, managing over 200 delegates.

SKILLS

Programming Languages

Learning: Erlang, Prolog

Using: Python, Scala, Haskell, TypeScript, Kotlin

Encountered: Elm, Rust, CSS/HTML/JavaScript

Tools, Libraries & Concepts

Experienced: Git, Play, Finangle, Scala Typelevel ecosystem (Cats, http4s, doobie, Monix, Shapeless, circe, Scalameta, refined, Monocle), React, formal logic

Familiar: Unix, discrete mathematics, algorithms & data structures, compilers, formal methods, \LaTeX , agile, Rx(JS / Monix), GraphQL

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