Maxwell Bo

max@maxbo.me • 0447 724 462

maxbo.me • github.com/MaxwellBo • linkedin.com/in/max-bo/

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), 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. Jul 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 – 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

YOW! Lambda Jam, Sydney, Australia
Student Volunteer   May 2018
- Attended the day-long "Front-end Development with Reflex" workshop, exploring Functional Reactive Programming

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 per day. Actively maintained
- TypeScript, React, Firebase, Semantic UI

SKILLS

Programming Languages

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

Compilers, functional programming, dependent typing, theorem provers, 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

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 2018-08-29]