# Maxwell Bo

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|---|---|
| **EMPLOYMENT** | **Skedulo**, Brisbane, Australia |

**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, MELBMUN 2018, and AMUNC 2018,
    managing over 400 delegates. Dramatically reduced burden on committee directors, cutting adminstration time by 30 minutes
    per day. Actively maintained
  - TypeScript, React, Firebase, Semantic UI

**SKILLS**

**Programming Languages**

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

**Tools, Libraries & Concepts**

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|---|---|
| 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**

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| **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**

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

**REFERENCES**

References available upon request

*[This document is accurate as of 2018-08-29]*