Skills

- ® Rust
- **G** (.++
- Js JavaScript
- ™ TypeScript
- **③** C#
- Python
- SQL
- **₤** Java
- ♣ Julia
- **≫** Haskell
- **©** C
- React
- **∂**Svelte
- **♦** Git
- ⚠ GNU/Linux
- **⊚** OpenGL

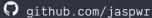
Education

- Bachelor of Science in Applied Physics at the University of Technology, Sydney (2021 - 2024)
- High School Certificate (2015 - 2020)

Involvements & Achievements

- UTS Programmers' Society General Committee Member (2024)
- 2nd Place UTS
 ProgSoc Programming
 Competition 2023
 (solo team)
- 2nd RoboCup Jr. 2018 Gen II Soccer (solo team)

Jasper Parker



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A proficient and self-motivated programmer with several years of full-stack experience in freelance work and open source development. Set to graduate with a bachelor's degree in applied physics at the end of the year and currently seeking a developer internship.

Projects & Experience

Personal Projects

For interactive demos and more projects see jaspwr.github.io.

•	LiA https://github.com/jaspwr/lia	A transpiled superset of lex for writing Lalex designed to make LaTeX code less verbose and faster to write. Was used to create this document.
•	GPU Based C compiler https://github.com/jaspwr/gpucc	A prototype C compiler written in GLSL compute shaders that compiles a subset of C to $x86_64$ assembly.
•	Glimpse https://github.com/jaspwr/glimpse	A simple GTK launcher/file search engine for GNU/Linux. Instantly searches files and installed applications with a custom database.
•	vol-applet https://github.com/jaspwr/vol-appl	A simple GTK system tray volume controller applet for PulseAudio. et
•	Chess Engine https://github.com/jaspwr/chess	A UCI compatible chess engine written in C that uses magic bitboards and a custom evaluation function.
•	Lilac https://github.com/jaspwr/lilac	A transpiled frontend web meta-framework.

UTS Programmers' Society Projects

- Wrote 12 of the 15 Questions for UTS ProgSoc Programming competition 2024 and provided assistance with the other questions.
- Built 2 clients for and made significant backend contributions to Fuzz-Judge.
- Reviewed changes submitted by other members.

BetterDiscord Plugin Ecosystem

- Created a plugin with 51K+ downloads.
- Fixed several plugins with thousands of active users when they were broken by updates.

Arch User Repository

Maintained packages for Arch Linux.

Previous Work

IT Consultant - Parker Insolvency (2020 - 2022)

- Configured, administrated and maintained servers hosting websites, email, DNS and cloud storage.
- Saved hundreds of dollars in website hosting fees by creating and self-hosting a new website.
- · Provided personal computer maintenance and assistance for employees.

Additional Skills

- Reverse engineering and assembly.
- Adobe Photoshop, Illustrator, After Effects, Premiere, InDesign, Animate/Flash.
- MS Office and LibreOffice.

