

**NAME**

Stephen "skippy" Cochrane

**SYNOPSIS**

**skippy --verbose**

**CONTACT**

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**NOTE**

This document should be viewed by running **man <(curl -s http://yggpi.co.za/skippy.1)**

**DESCRIPTION**

I am currently studying Computer Science at Stellenbosch University, and am currently in my third year.

I have a massive love for Software Development (specifically lower level systems) and the GNU/Linux ecosystem. I am an advocate of the FOSS movement, and believe in it's ideals.

Primary skills include programming in C (language of choice), bash (scripting), python, java. I am proficient in backend web development (either in C, java or python) as well as working with databases.

**WORK EXPERIENCE****At/for Stellenbosch University**

I have tutored and or "demi'd" multiple courses for SU, those including,

- \* First Year Mathematics

- \* Second Year Computer Science

**SELECTED ARTIFACTS**

These projects are hosted on a private repository, since many of these projects are re-used by SU, and hence must be hosted privately to prevent students from plagiarising.

If you are interested in viewing these, please send me an email, and I can provide you with a .tar of the project.

**ALAN Compiler**

ALAN is a pascal like language, and my second year Computer Science project was to write a compiler for the ALAN language, for more information feel free to read the spec. The compiler is written in C.

**Othello Bot**

This project was to create a bot to play the game Othello, the bot makes use of a negamax tree search with alpha beta pruning to find optimal moves. Written in C, using MPI API.

**OnPoint**

OnPoint is a food review website, that allows users to view reviews on certain websites, as well as create an account, and follow friends, and see their favorite restaurants.

OnPoint is written using a python backend (running on flask), neo4j DB, redis and Vue.js

**Huffman Encoder**

A compression tool using the Huffman algorithm, written in x86\_64 assembly.

**PRIVATE PROJECTS****cmesg**

A messaging application using a server written in C, and a client written in java, there are plans to extend cmesg to also support VoIP.

cmesg is hosted at <https://github.com/skippy404/cmesg>

**C45DiscordBot**

A simple discord bot written in python, plans to extend it to play music, host files etc.

C45DiscordBot is hosted at <https://github.com/skippy404/C45DiscordBot>

**BUGS**

Start too many side projects, instead of finishing them.

Endlessing ricing my desktop subtle plug -> <https://github.com/skippy404/dwm>

**SEE ALSO**

<http://yggpi.co.za/>

<https://github.com/skippy404/>

[https://twitter.com/posix\\_patrol](https://twitter.com/posix_patrol)