

Alex Verrico

Full Stack Software Developer

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About Alex:

Alex is a Full Stack Software Developer, working primarily with Python.

Volunteer Experience:

- Assisted with teaching scratch coding for 6 months in 2018 at the Lerderderg Library (written reference available).
- Assisted in delivering the BeConnected program at the Lerderderg Library from January to December 2020, which provides free IT help for Seniors.

Community Involvement:

- Member of the Bacchus Marsh scout group (Early 2018 to late 2019). During this time Alex achieved his Australian Scout Medallion.
- Member of the Djerriwarrh Venturer Unit (Late 2019 to Present).
- Member of the Ballarat Hackerspace (Mid 2015 to Present).
- Founding member of the Ballarat Area Robotics League (Mid 2019 to Present).

Education:

Currently completing a Certificate IV in Cyber Security at Federation Tafe in Ballarat

Skills:

- Python 3.x (3 years)
- Website Development using HTML, CSS, and JS (4 years)
- Documentation using Markdown (4 years)
- Git/GitHub/GitLab (3 years)
- MySQL & SQLite (1 year)
- Bash Scripting (3 years)
- Design and Development of APIs using Python Flask (1 year)
- Debian & Ubuntu Linux server Administration (2 years)
- Windows & Linux PC administration (4 years)
- Deployment, Configuration, and Maintenance of PCs (3 years) and Servers (1 year)
- Nginx Web Server Administration (2 years)
- Docker (including Docker Compose) (1 year)
- Wireguard VPN Administration (1 year)
- Nextcloud Administration (1 year)
- Domain Administration using Cloudflare (2 years)
- Samba Administration (1 year)

Some projects that Alex has worked on:

- <https://barl.io> - Alex built the website for the Ballarat Area Robotics League in late 2019. The website uses Bootstrap 4, and is hosted on a Debian server running Nginx.
- <https://alexverrico.com/> - Alex's personal website, built using Bootstrap 4 and hosted on GitLab pages.
- <https://github.com/AlexVerrico/CovidParser> - Alex developed this Python library to aid in fetching data about Covid-19 for use in various projects, including;
- <https://github.com/AlexVerrico/Covid-Discord-Bot> - Alex built this Discord bot to allow people to quickly and easily see the latest information about Covid-19 in a Discord chat
- <https://github.com/AlexVerrico/Octoprint-ThermalRunaway> - Alex developed this plugin for the popular 3D Printer monitoring solution OctoPrint after identifying that there was no suitable way to detect if a heater failed on a 3D Printer. It currently has 250+ recorded users.
- <https://github.com/AlexVerrico/LCA2021-SwagBadge-control-panel> - While attending Linux Conference Australia 2021, Alex developed this Python based website to allow the control of the conference Swag Badge over MQTT.
- https://github.com/AlexVerrico/python_confChecker - Alex developed this Python library to aid in producing clear and useful error messages when attempting to load a missing configuration parameter from a Yaml or .env file.

More of Alex's work:

You can find more of Alex's work at <https://github.com/AlexVerrico> and <https://alexverrico.com/>