EMLYN MATHESON

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EDUCATION

UNIVERSITY OF MELBOURNE   Melbourne, VIC
Bachelor of Science   2025
Major in Computing and Software Systems
Weighted Average Mark: 74.304   H2B
Relevant Coursework: Design of Algorithms, Operating Systems, Networking, Discrete Maths, Capstone Project

PROJECTS

GITHUB   https://github.com/emlyn-m

TERRAIN DISPLAY SCREEN (University Capstone)   Aug-Nov 2025
- Worked collaboratively to develop a media display screen with real-time control
- Frontend built with NextJS
- Backend built with a combination of NextJS, Flask, and Express
- Display of local videos, external websites (bypassing traditional restrictions), and arbitrary files
- Deployed locally on a Raspberry Pi with Google OAuth integration

BOOST-SMS   2024-2025
- Proxy to allow sending messages on social media platforms over SMS
- Rust/Python
- Fully featured client for testing and development
- Support for multiple users and platforms

PULSAR   2023
- Server alert tool over XMPP
- Kotlin/Android Fragments
- Automated alerts

TECHNICAL SKILLS

Languages: TypeScript, Rust, Python, Kotlin
Frontend: Next.JS, React
Backend: REST APIs, Flask, OAuth
Mobile: Android, Expo
Tools: Git, Linux,

REFERENCES

Available on request