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: 74.261   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
- Media screen with real-time control via user-friendly web panel and SSE
- Next.JS/Python
- Display of local videos, external websites (bypassing traditional restrictions), and arbitrary files
- OAuth via Google
- Local deployment on a Raspberry Pi

BOOST-SMS   2024-2025
- Proxy layer for Matrix communication over SMS
- Rust/Python
- Python client for simulation/testing
- Full encryption via x25519 and [TODO: ENC METHOD]
- Multiple users on a single server

PULSAR   2023
- Server alert tool over XMPP
- Kotlin/Android Fragments
- Automated messaging, custom communication

ADDITIONAL

Technical Skills: NextJS/Typescript, Android, Python, Rust

REFERENCES

Available on request