



# RILEY LUM

## *Web/GIS Developer*

+61 434 810 436

rileylum@adam.com.au

Adelaide, SA 5014

### PROFESSIONAL SUMMARY

Software Developer leveraging a career in GIS and Defence Intelligence to provide unique perspectives to how end users interact with websites and software platforms. Earned a certificate in Full Stack Web Development from the University of Adelaide Coding Boot Camp. Innovative problem-solver who is passionate about developing apps to solve complex intelligence questions. Strengths in communicating effectively, strategic planning, project management and working in teams

### AREAS OF EXPERTISE

- Languages: JavaScript ES6+, CSS3, HTML 5, SQL, MongoDB, Python
- Applications: Github, Heroku, ESRI, QGIS, FME
- Tools: Git, Bootstrap, Node, Express, Mongoose, Leaflet

### PROJECTS

#### **Node BBS**

[github.com/minusInfinite/nodeBBS](https://github.com/minusInfinite/nodeBBS) | [nodebbs-demo.herokuapp.com](https://nodebbs-demo.herokuapp.com)

- Project Summary: Full-stack web application in style of old PHP based bulletin board systems
- Role: Project collaborator - Backend Focus
- Tools: HTML, CSS, JavaScript, Node, Express, Passport, MySQL, Handlebars

#### **Tech Blog**

[github.com/rileylum/tech-blog](https://github.com/rileylum/tech-blog) | [riley-tech-blog.herokuapp.com](https://riley-tech-blog.herokuapp.com)

- Project Summary: Full-stack web application that allows users to sign up and start their own blog
- Role: Sole author
- Tools: HTML, CSS, JavaScript, Bootstrap, Node, Express, MySQL, Handlebars

#### **Weather Dashboard**

[github.com/rileylum/weather-dashboard](https://github.com/rileylum/weather-dashboard) | [rileylum.github.io/weather-dashboard](https://rileylum.github.io/weather-dashboard)

- Project Summary: Weather app that provides current and future weather forecasts in cities
- Role: Sole author
- Tools: HTML, CSS, JavaScript, Bootstrap, API's

#### **News Aggregator**

[github.com/rileylum/News-Aggregator](https://github.com/rileylum/News-Aggregator) | [rileylum.github.io/News-Aggregator](https://rileylum.github.io/News-Aggregator)

- Project Summary: Web app which collates content from popular news sites like Reddit
- Role: Project collaborator
- Tools: HTML, CSS, JavaScript, API, Bulma

## WORK EXPERIENCE

### Operations Manager - Ground Station Operations Centre

*Australian Geospatial Intelligence Organisation (AGO) | Adelaide, SA | July 2019 to present*

#### Achievements

- Worked with stakeholders to deliver a range of products in support of OP BUSHFIRE ASSIST. Liaised with external stakeholders to leverage support from commercial suppliers
- Developed a task tracking and accounting spreadsheet which has allowed AGO to have better clarity of their commercial collection spending and activity. This included a generated monthly report provided to stakeholders

#### Responsibilities

- Interpreting and prioritising complex geospatial requirements and developing actionable tasks to utilize commercial satellites to acquire imagery products
- Develop concept of operations, business process and standard operating procedures

### Geospatial Intelligence Technician - Services and Workflows

*AGO | Bendigo, Vic | April 2019 to July 2019*

#### Achievements

- Became a mentor for the new intake into the Trainee Program, sharing my experience and knowledge to new, less experienced staff
- Redeveloped our elevation web services, involving a large body of research and consultation, to replace outdated services. These services were used by hundreds of unique users

#### Responsibilities

- Managing data and its dissemination to meet specified customer requirements
- Develop automated ETL scripts and workflows for solving complex geospatial problems and publishing web services
- Assist in the development of workflows and documentation to ensure processes are clear

### Geospatial Intelligence Trainee

*AGO | Bendigo, Vic | April 2018 to April 2019*

#### Achievements

- Providing a brief to executive staff about the Trainee Program; experiences we had as a group and the value the program adds to the organisation
- Developed tools to assist in the quality control process for our feature extraction task using Python

#### Responsibilities

- Complete and under a range of training: Cert IV in Spatial Information Systems and Staff-led Foundation Production training
- Contribute to AGO's Foundation Production, including Topographic Line Map production and feature extraction in support of the Multinational Geospatial Co-production Program

## EDUCATION

Full Stack Coding Bootcamp, expected to complete November 2021

*University of Adelaide*

Cert IV Spatial Information Systems, 2019

*TAFE NSW*