Education

Macleans Collage

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- Service Prefect
  li>
- Distiction in Computer Science
  li>
- IGCSE A Levels
  li>

AUT University

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Mechanical Engineering (Honors)

Employment

NeSI

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Applications Support Specialist

- Training
  li>
- Documentation
  li>
- eRNZ
  li>

Tycho

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Sole Employee

- Engineering CAD
  li>
- Primarily Long Term Clients
  li>

AUT

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Research Assistant

- UAV Controller Design
  li>
- IMU Filters
  li>
- Instrumentation Design
  li>

White Star Products

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Trainee Engineer

- Built www.swageturn.co.nz
  li>
- Models, renders, and sheets for 200+ parts
  li>
- Marketing Material
  li>
- Product Management
  li>
- Engineering Advice
  li>

ARHT

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Simulator Instructor

- Represented Volanteers at 2014 Royal Reception.
  li>

Skills

Training

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- Software Carpentry Instructor
  li>
- Webinars
  li>
- Workshops at Resbaz 2019-2022
  li>
- Workshops at eRNZ 2021, 2022
  li>
- Workshops at NZRSE 2020, 2022
  li>

Information Architecture

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- mkdocs
  li>
- Software Carpentary
  li>

Engineering CAD

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- Solidworks

li>
- CadQuery
  li>

Scientific Programming

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- Reproducability
  li>
- Workflow Design
  li>
- Paralellisation
  li>
- Optimisation
  li>
- FAIR
  li>

DevOps

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- CI/CD
  li>

Data Science

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- GitLab CI/CD
  li>
- GitHub Actions
  li>
- Automation
  li>
- Machine Learning
  li>
- Visualisation
  li>

Cloud Computing

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- OpenStack
  li>
- Azure
  li>
- AWS
  li>

- Google Cloud
  li>
- Containers
  li>

High Performance Computing

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- Bash
  li>
- Module software stack
  li>
- Scheduler (SLURM)
  li>
- Containers
  li>

Digital Design

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- Adobe Suite
  li>
- GIMP
  li>
- Krita
  li>
- Blender
  li>
- InkScape
  li>
- LaTex
  li>

Web Development

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- NodeJS
  li>
- Djanjo
  li>
- LAMP
  li>
- Wordpress
  li>
- Static
  li>

Languages

Competent

C/C++/C#
JavaScript
Python
MATLAB

Bash

Familiar

HTML/CSS
PHP
Fortran
LUA
TCL
VBA
SQL

Qualifications

The Carpentries Software Carpentries Instructor
RYA Coastal Skipper
RYA International Certificate of Competence (Sailing)
Royal New Zealand Coastguard Boatmaster
Royal New Zealand Coastguard VHF Operator
SSI Advanced Open Water Diver
PADI Rescue Diver
PADI Enriched Air Diver
Emergency First Responder
NZTA Full Drivers Licence