

George Townsend

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WORK EXPERIENCE

- **Spontaneous Marketing Concepts**
Sales - Northern Rivers, NSW
Member of a sales team promoting monthly donations to the Children's Cancer Institute.
January - March 2020
- **Venue Industry Professionals (VIPeople)**
Customer Service - McDonald Jones Stadium, NSW
Ticketing, ushering, assisting with general enquiries.
May 2021 - Present
- **Anditi**
Casual Data Controller - Newcastle, NSW
Manual quality assurance and data cleaning on spatial data products, including point clouds classification and road safety analysis.
December 2021 - Present

EDUCATION

- **Bachelor of Surveying (Honours)**
University of Newcastle
2021-2024

SCHOLARSHIPS

- **CESE Summer Research Scholarship**
Topic: Machine Learning Techniques for Interference Detection and Anomaly Identification of Satellite Data
Summer 2022/2023

LEADERSHIP

- **Exchange Student to The Netherlands**
High school cultural exchange with a host family
January - October 2018
- **Surveying Student Representative**
Collected and expressed feedback on behalf of second year students at the Student Forum
2022

HOBBIES & INTERESTS

- **Software**
Linux, Python, GNURadio, QGIS, L^AT_EX
- **General**
Camping, chess, history, podcasts, travel, electronics

PROJECTS

- **Radar Imagery Referencer**
A program to automatically download and georeference radar imagery from the Bureau of Meteorology FTP server.
Python, GDAL
- **Fractal Shader**
A program to view, explore, and export images of the Mandelbrot and Julia sets, implemented on the GPU using CUDA.
Python, NumPy, Numba, PyGame

VOLUNTEERING

- **De Stofwisseltour (Cycling Tour)**
Logistical support / Photographer
June 2018
- **Falls Festival**
Warehouse assistant
New Years 18/19
- **Woodford Folk Festival**
Deployment and technical support for Square point of sale systems
New Years 19/20 + 22/23
- **Elements Festival**
Workshop assistant
October 2020
- **University of Newcastle**
Volunteering with the 'Uni Crew' for student events
June 2021 - Present