

# George Townsend

george@georgetownsend.com

## WORK EXPERIENCE

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- **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

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

## RESEARCH

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

## LEADERSHIP

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- **Exchange Student to The Netherlands**  
Ten months study abroad  
*January - October 2018*
- **Wollumbin High School Captain**  
Head of the student council  
*2019*

## HOBBIES & INTERESTS

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- **Technological**  
Linux, Python, Bash, Docker, Git,  $\text{\LaTeX}$
- **General**  
Travel, Mathematics, Chess, Photography, Podcasts

## PROJECTS

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- **RadarReferencer**  
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

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- **De Stofwisseltour (Cycling Tour)**  
Logistical support / Photographer  
*June 2018*
- **Falls Festival**  
Warehouse and logistics assistant  
*New Years 18/19*
- **Woodford Folk Festival**  
On-call technical support for Square payment terminals and network connectivity  
*New Years 19/20*
- **Flying Fox Hostel**  
Housekeeping and gardening duties exchanged for board and lodging  
*June 2020*
- **Elements Festival**  
Workshop assistant  
*October 2020*