George Townsend

george@georgetownsend.com

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

RESEARCH

- **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

- **Exchange Student to The Netherlands**
  Ten months study abroad
  January - October 2018

- **Wollumbin High School Captain**
  Head of the student council
  2019

HOBBIES & INTERESTS

- **Technological**
  Linux, Python, Bash, Docker, Git, LaTeX

- **General**
  Travel, Mathematics, Chess, Photography, Podcasts

PROJECTS

- **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

- **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