

# Surveyor



“No one day is like another, **it is a constant adventure.** You never stop learning which **keeps me engaged and excited.**”

## MARIE JANINA NAVARRO FERRER

### Favourite Project Name:

Mulgumpin (Moreton Island) Surveys

### Favourite Subjects at School:

Maths, English, Programming

### Tertiary Study Completed:

Bachelor of Science in Geodetic Engineering

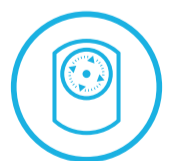
**Your Favourite Tools:** Total Station (favourite), prisms, GPS, calculator, tape measure, compass, laptop



TOTAL STATION  
(LEICA TS 15)



GPS  
(TRIMBLE R10)



COMPASS  
(SUUNTO)



CALCULATOR  
(HP 50G)



TAPE  
MEASURE



PRISMS



THE  
SURVEYORS'  
TRUST



# Land Surveyor



“I love being able to work on big projects, and **turn data into 3D models** for virtual reality.”

## LAUREN HOLLAND

**Favourite Project Name:** Winston Churchill's Old War Office

**Favourite Subjects at School:** Geography, Music and Food Technology

**Tertiary Study Completed:** Bachelor of Geography

**Your Favourite Tools:** Favourite tool is Leica MS60, it is a total station and a laser scanner.



GPR



LEICA MS60



LEICA BLK2GO  
HAND HELD LASER  
SCANNER LASER



LEICA  
AIBOT DRONE



LEICA RTC360  
LASER SCANNER



THE  
SURVEYORS'  
TRUST



# Cadastral Surveyor



“I like the **challenge of surveying** including the maths, logic and not to mention field work and travel.”

## JEMMA PICCO

### Favourite Project Name:

Cape York Peninsula Tenure Resolution Project

### Favourite Subjects at School:

Geography, Maths

### Tertiary Study Completed:

Bachelor of Surveying and Bachelor of Information Technology (double degree)

**Your Favourite Tools:** Total Station (favourite), GPS, prisms, compass, tape measure, tripod



TOTAL STATION



GPS



COMPASS



TAPE MEASURE



PRISMS



TRIPOD



THE SURVEYORS' TRUST



# Land Surveyor



“There is such a **variety of work**, everyday is different. You get to **see some pretty cool places**, not just stuck in an office!”

## GEORGIA ROONEY

**Favourite Project Name:** Powerhouse Museum

**Favourite Subjects at School:** Geography, Maths, Physics, Physical Education (P.E)

**Tertiary Study Completed:** Bachelor of Surveying, Registered Surveyor NSW

**Your Favourite Tools:** 3D scanner is my favourite because it can record millions of points very quickly unlike traditional measurements with a theodolite where you record single points.



THEODOLITE



PRISMS



3D SCANNER



TAPE MEASURE



DISTO



GPS ROVER



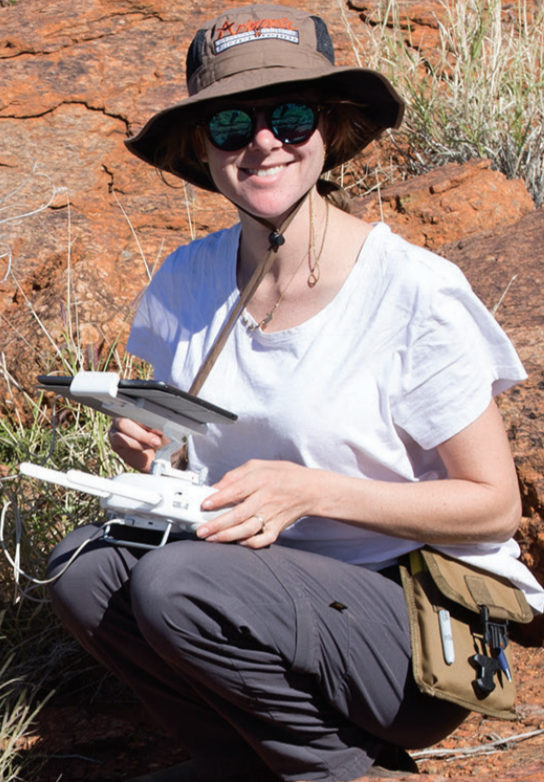
THE SURVEYORS' TRUST



# Earthquake Geologist



“I love using drones and science **to tell stories** about how earthquakes and tectonics are still changing our seemingly **ancient outback landscapes.**”



## TAMARAH KING

Tamarah is an earthquake geologist and PhD student at the University of Melbourne. She uses field observations, drone imagery, and satellite data to study earthquake damage to investigate the past and future of Australian earthquakes. Her research allows her to explore remote parts of Australia and the world, travelling across the deserts of Australia, Timor-Leste, Indonesia and Scotland to look at geology and tectonics.

**Favourite subjects at school:** English, Women's Studies, Biology, Music

**Further study:** Bachelor of Science (Earth Sciences); Masters of Earth Sciences



CONSERVATION



HISTORY



COMMUNICATION



DRONE WORK



ROCKS



VOLCANOES



EARTHQUAKES



LANDFORMS



SHE Maps

# Landscape Architect



“There are a million ways that you can use your passions to **make the world a better place**; drones happened to be mine.”



Photo credit:  
Ainslee Morgan  
Immortal Eyes Photography

## SARA WEBBER

Sara Webber is a small business owner, drone/gaming nerd, landscape architect, and certified drone operator. She is passionate about her career using drones for photography, film, photogrammetry, and 3D design. She uses drones to create accurate maps of the landscape for site context analysis, and to create an “Artist’s Impression” of how different designs will look when situated in their environment.

**Favourite subjects at school:** Fine Art, Legal Studies, Maths and English

**Further study:** Bachelor of Environments;  
Permaculture Design Certificate



CONSERVATION



MAPPING



3D MODELLING



DRONE WORK



BIODIVERSITY



ARCHITECTURE



PHOTOGRAPHY



LANDSCAPE  
DESIGN



SHE Maps

# Business Development Manager



“Autonomous drones **open up creative solutions** for data collection in tough environments. I love working with different teams to **unlock the potential of new technology.**”



## HOLSTEIN WONG

### Favourite Project Name:

Cultural heritage preservation in Quinkan Country, Far North Queensland

### Favourite Subjects at School:

Chemistry, Maths, Modern History, Physics

### Tertiary Study Completed:

Bachelor of Materials Science and Engineering

### Your Favourite Tools:

Drones, robotics, mapping, minerals processing, 3D modelling, underground mining, exploration



DRONE WORK



ROBOTICS



LIDAR



MINING



MAPPING



3D MODELLING



DATA COLLECTION



emesent



SHE Maps

# Solution Engineer



“I’m inspired by the **different perspective of the world** that drones give me, the applications are endless!”



## CHRISTINE MUNISTERI

Christine is a Junior Solution Engineer and drone pilot at GEO Jobe GIS. She developed her interest in geospatial technologies while working with students in Belize as they mapped marine debris and studied flooding and disaster management. With her team at Citizen Science GIS and Open Reef, she uses drones to collect high resolution imagery of coastal communities and vulnerable islands to assist with island inventories, environmental research, and educational endeavors.

**Favourite subjects at school:** Geoscience, Remote Sensing, Italian, and Marine Biology

**Further study:** Bachelor of Arts in Environmental Studies

© Copyright | She Maps | [www.shemaps.com](http://www.shemaps.com)



CONSERVATION



MAPPING



COMMUNICATION



DRONE WORK



EDUCATION



FLOODING



DISASTER  
MANAGEMENT



LITTER



# Environmental Scientist



“Drones are amazing tools that **allow us to see what our eyes cannot**, and they have **revolutionised the way** I think about solving environmental problems.”



## CHIPPIE KISLIK

I use drones to investigate drought conditions in plants, as well as to identify algal blooms that float on the surface of the water. Drones allow me to examine changes over time in the environment, and help me detect issues related to water stress and water quality. I love having the freedom to plan, capture, and analyse my own data from start to finish!

**Favourite subjects at school:** Geography, English, Music, Cartography

**Further study:** Bachelor of Science in Conservation and Resource Studies

© Copyright | She Maps | [www.shemaps.com](http://www.shemaps.com)



CONSERVATION



MAPPING



SATELLITE



DRONE WORK



BIODIVERSITY



WATER QUALITY



PLANTS



DROUGHT



SHE Maps

# Marine Biologist



“I love **working with people** all over the world to help them use their drones to **benefit humanity and protect wildlife.**”



## ALICIA AMERSON

Alicia Amerson is a published author in marine biology, small business owner, and international speaker. She is a visionary with expertise in international marine conservation and biodiversity research projects and drone technology. Alicia is trailblasing the path to create a robust drone stewardship program focused on responsible practices for flying drones technology to benefit humanity and respect wildlife and wild spaces.

**Favourite subjects at school:** Science, Debating

**Further study:** Bachelor of Science (Biology); Masters of Science (Marine Biodiversity and Conservation/ Ecotourism)



CONSERVATION



MAPPING



MARINE  
POLLUTION



DRONE WORK



WHALES



SEA LIONS



SEA BIRDS

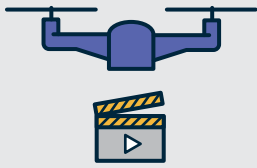


DOPHINS

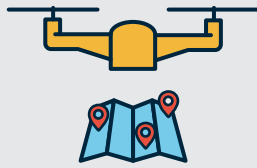


SHE Maps

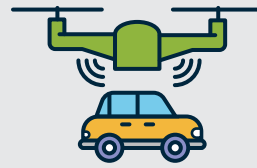
# Career Pathways for Drones



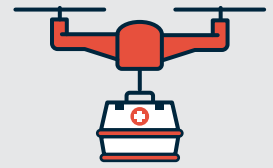
Photography, Film & TV



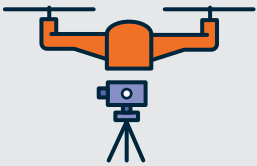
Drones Mapping



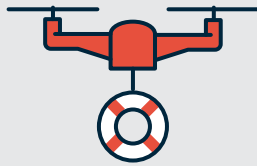
Drone Transportation



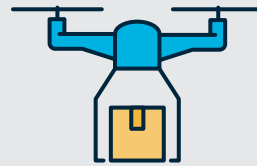
Healthcare



Drones Surveying



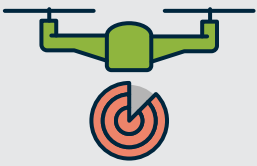
Search & Rescue



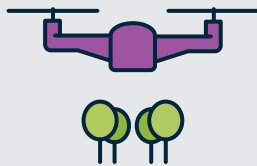
Delivery/Fulfillment



Agriculture



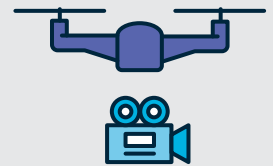
Wildlife Tracking



Forestry



Researcher



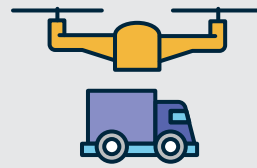
Drone Journalism



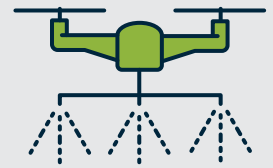
GIS Mapping & Analytics



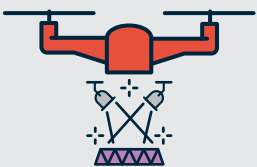
Data Analysis



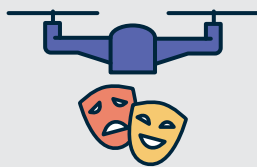
Logistics



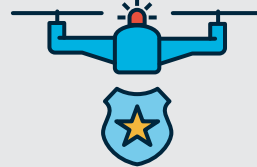
Aerial Weed Spraying



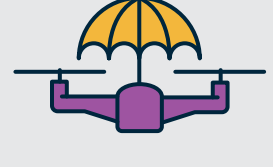
Swarm Artist



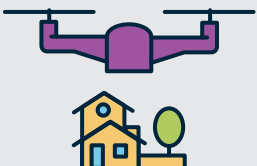
Theatre Choreographer



Police Drone Operator



Insurance



Real Estate



Construction



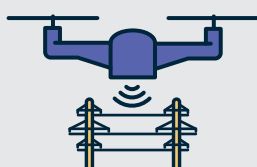
Building Inspection



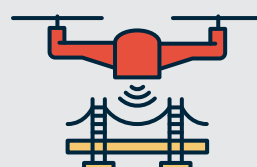
Mining



Roof & Solar Inspection



Energy Inspection



Bridge Inspection



Stockpile Assessment