

FLAPPA

Flocks of ultra efficient bird drones

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PROBLEM



Multirotor Drones



< 1 hour



< 35 knts



< 22 km



85 dB



Glider Drones



Poor agility



Specific weather conditions



< 22 km



Inconsistent flights

SOLUTION



Bird Platform

Tapping in to millions of years of avian evolution through gliding, using thermals and flapping wings

V2V Mesh Network

Scalable communication and location range, without infrastructure, through a bird-to-bird mesh network

Nest

A central hub that charges, directs and tracks the flock and serves information to the user

Flappa

5 hr flight duration

Scalable comms range

Automated management

24/7 monitoring

Detection

A vision system optimised for all conditions and suitable ranges

WHY NOW?

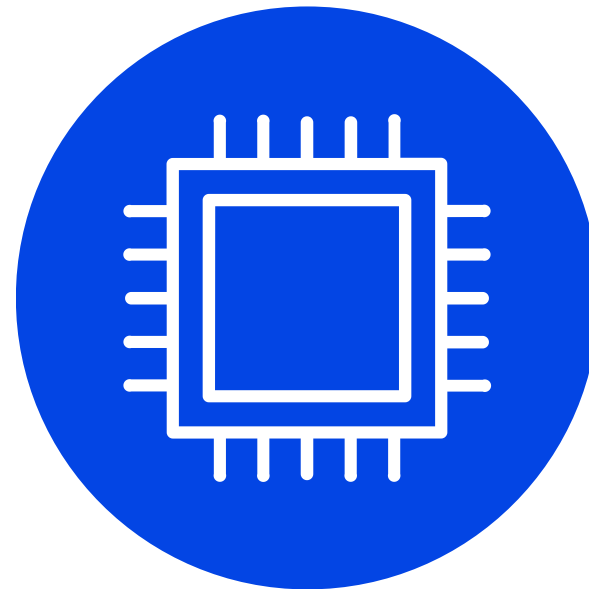


Our prospects in Search and Rescue, Wildlife Conservation and Security have given us insights into what the future holds for their industries



Early Adopters

Drones are beginning to be adopted by these industries as they become more accessible and introduce an edge over competition



Wider Technology Development

Compute and battery technologies are getting smaller, lighter and more efficient due to their proliferation in the automotive industry



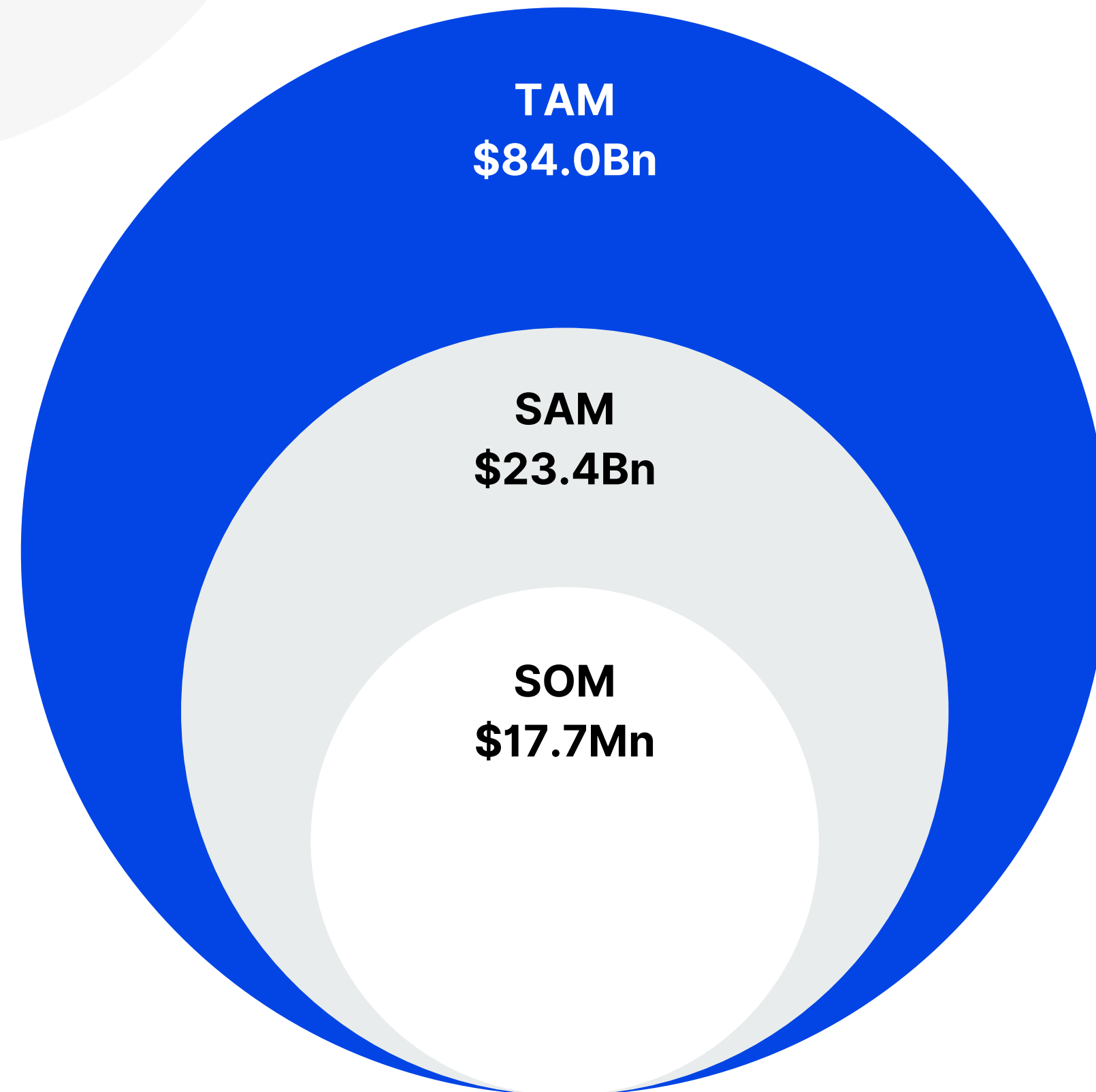
Market Conditions

The markets are growing faster than their expenditure and they are looking for new products to add to their offering

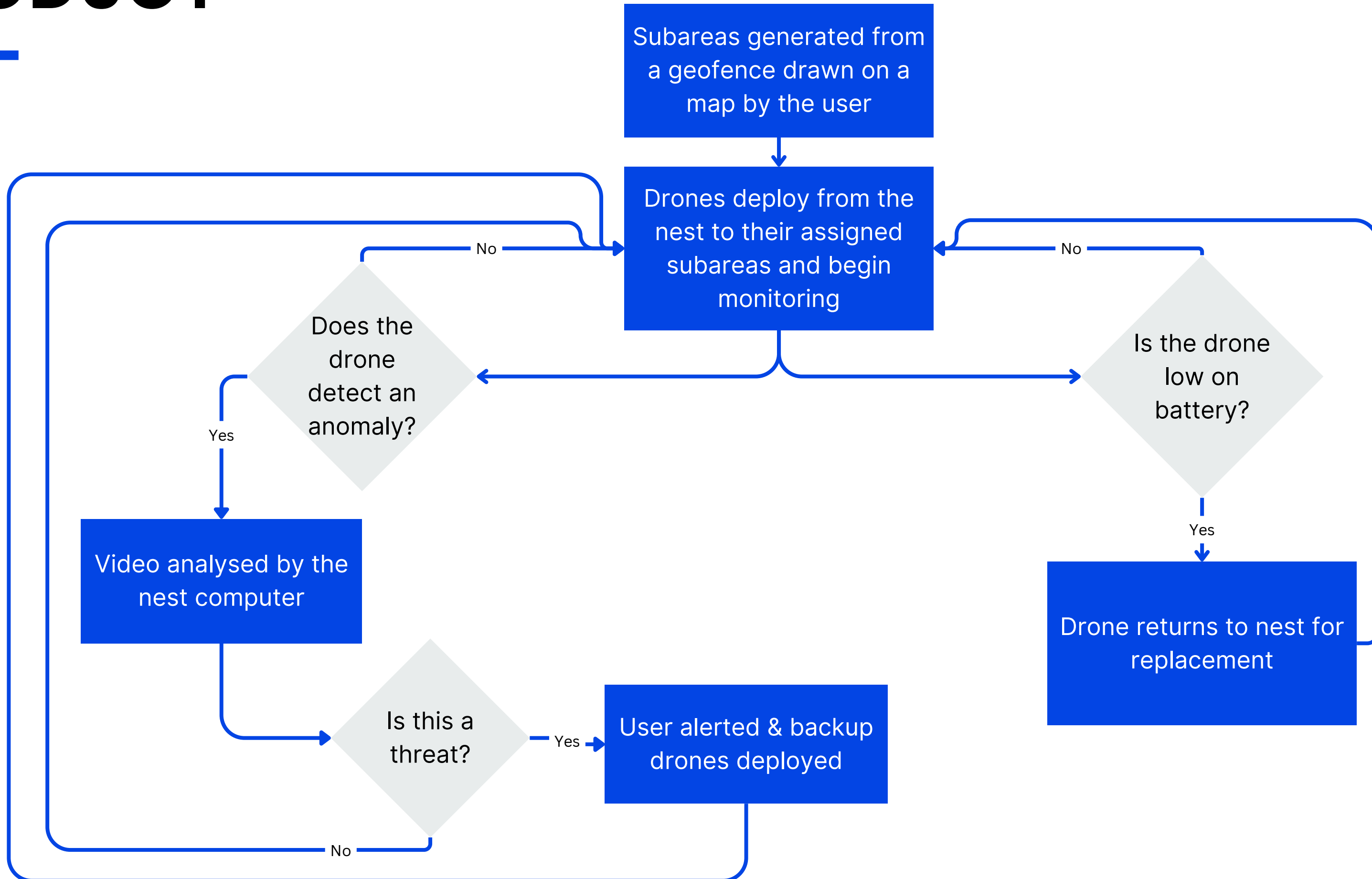
MARKET SIZE



The UAV market is rapidly growing with a 25% CAGR



PRODUCT



TRACTION



Our prospects in Search and Rescue, Wildlife Conservation and Security have given us insights into what the future holds for their industries



Search and Rescue

Developing our solution hand in hand with major players in the UK and Australia.
A competing solution in their drone onboarding.



Security

Canine units in game reserves in Eastern South Africa interested in adopting our tech.
One LOI signed.



Wildlife Conservation

The management of a group of major National Parks interested in adopting our technology to monitor wildlife.

WINNING THE MARKET

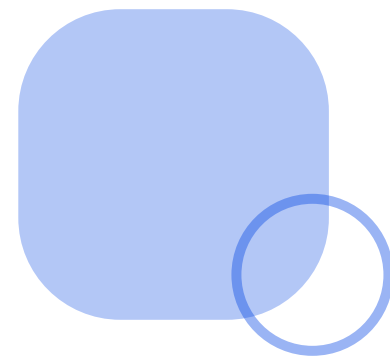
How we will win customers today and defend against the competition



Competitive Advantages	Moats
No external infrastructure required	Bird form-factor
Ease of use	Range
Built alongside the market	Communications routing

TIMELINE

Flappa is entirely bootstrapped. We plan to have raised enough capital to sustain ourselves by October 2024.



October 24 Prototypes

Completed and demoed 3 core prototypes with Infineon

March 25 V0.1

Designs updated. Hand built drones shipped to customers. Flock and nest capabilities tested with prospects

09/24

10/24

12/24

03/25

06/25

September 24

Founders go full time

We take a sabbatical from our courses to put all of our efforts into Flappa

December 24

V0

High fidelity drone prototype tested in hand with prospects.

June 25

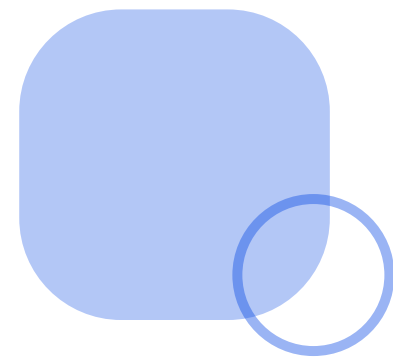
V1

Production model ready to be sold to mass market

GO TO MARKET



A 1 year snapshot into how we will make money



01

V0

Hand building human operated drones.
Selling for <\$600 at a 5% profit margin.
Collect feedback and insights.

02

V1

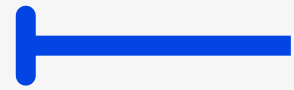
Implement a manufacturing process.
Selling as bundles determined by customer specifications.
Software and maintenance subscriptions ~\$500pa.
Dominate target markets.

03

Future

Develop V2 including payload method for others develop on with licensing fee.
Expand into new markets e.g. Agriculture.
Negotiate IP licensing agreements to wider aerospace industry.

TEAM



Engineer at Dyson

Enjoys sailing and hiking

Co-founder - Product and Fundraising

Max Amos



Vet Student

Part time zookeeper

Co-founder - Media and Sales

Vince Hudson