

Hi, I'm Samuel Hinton



@samreay

l'man astronomer

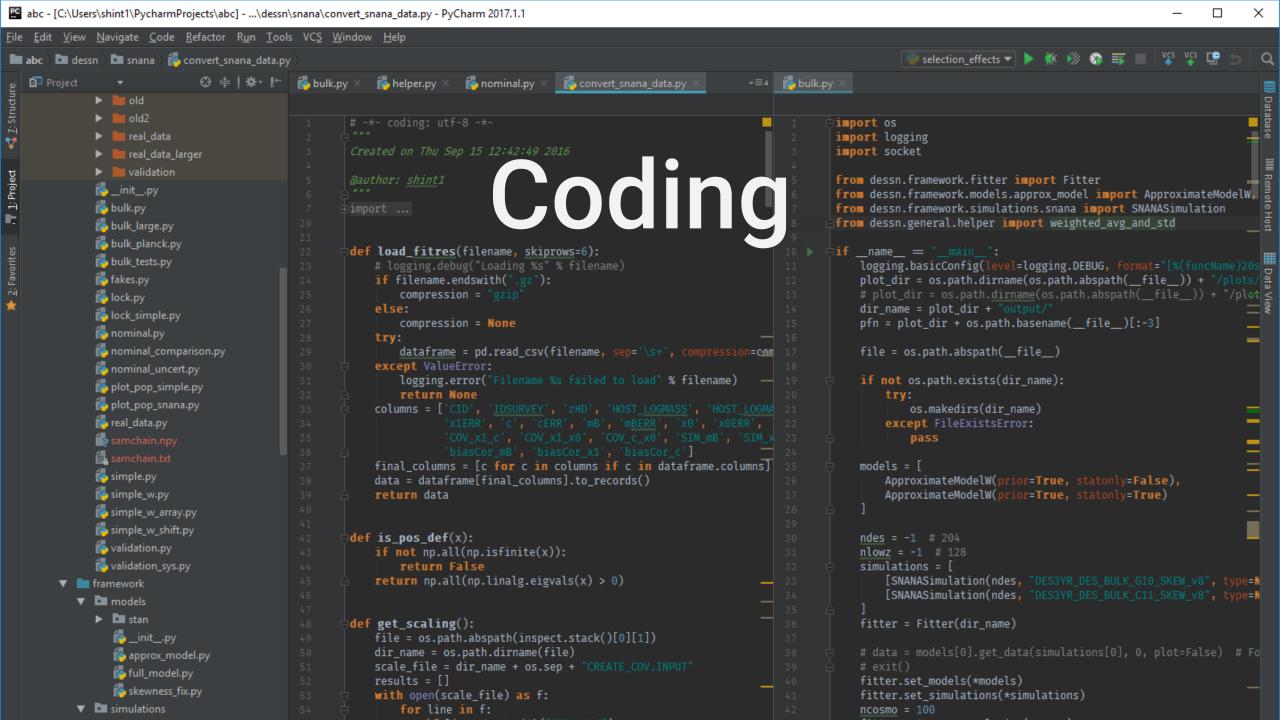
engineer

student

What do I do?







Talking

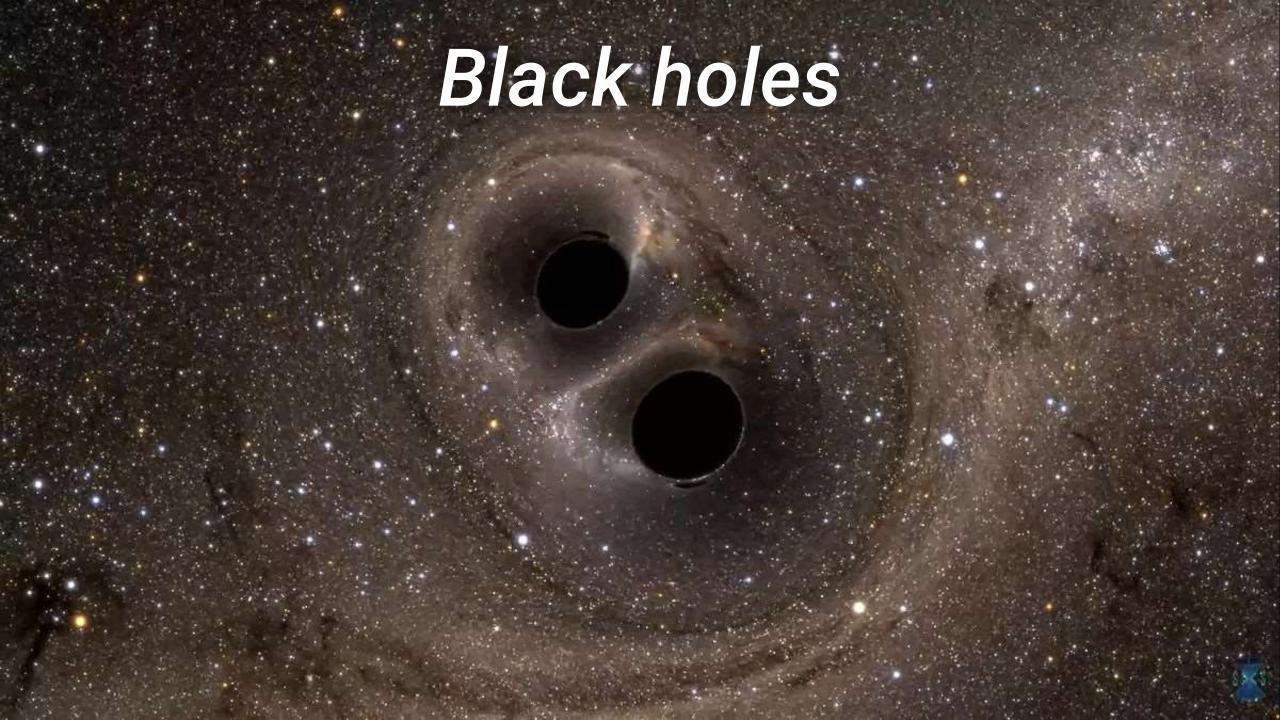


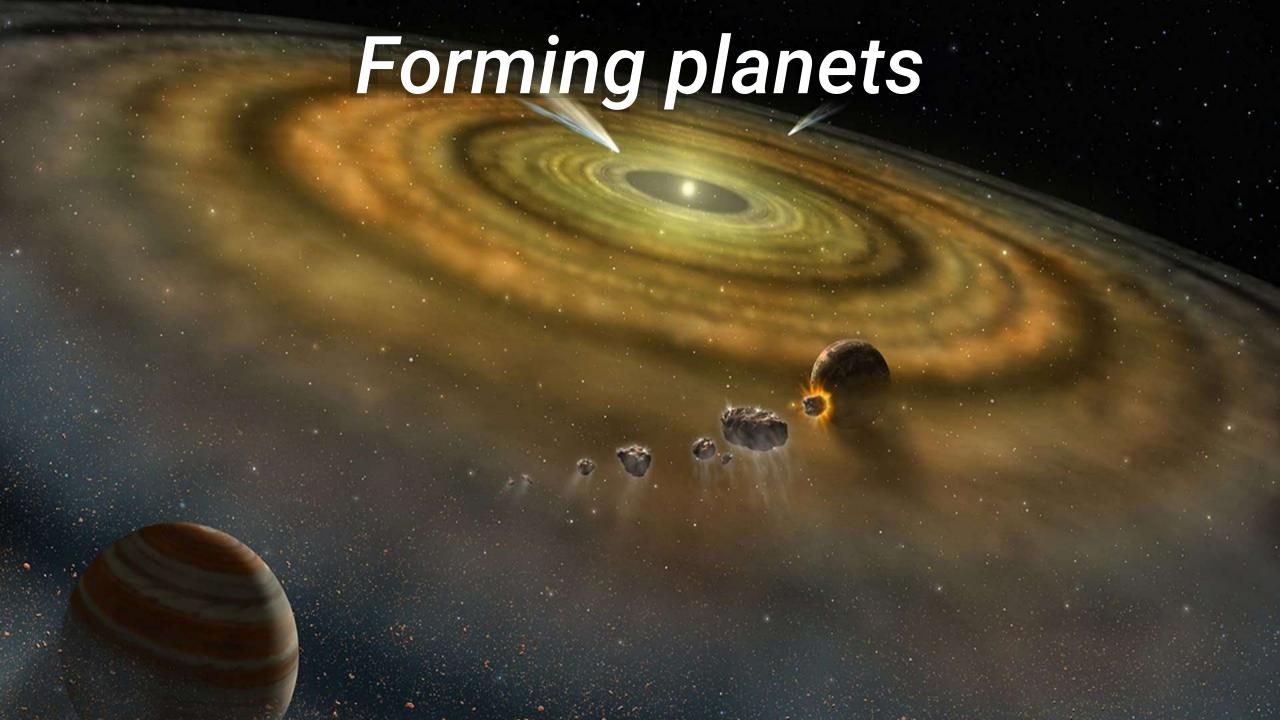
What do I look at?

Dark energy and dark matter



95% of the universe is unknown!

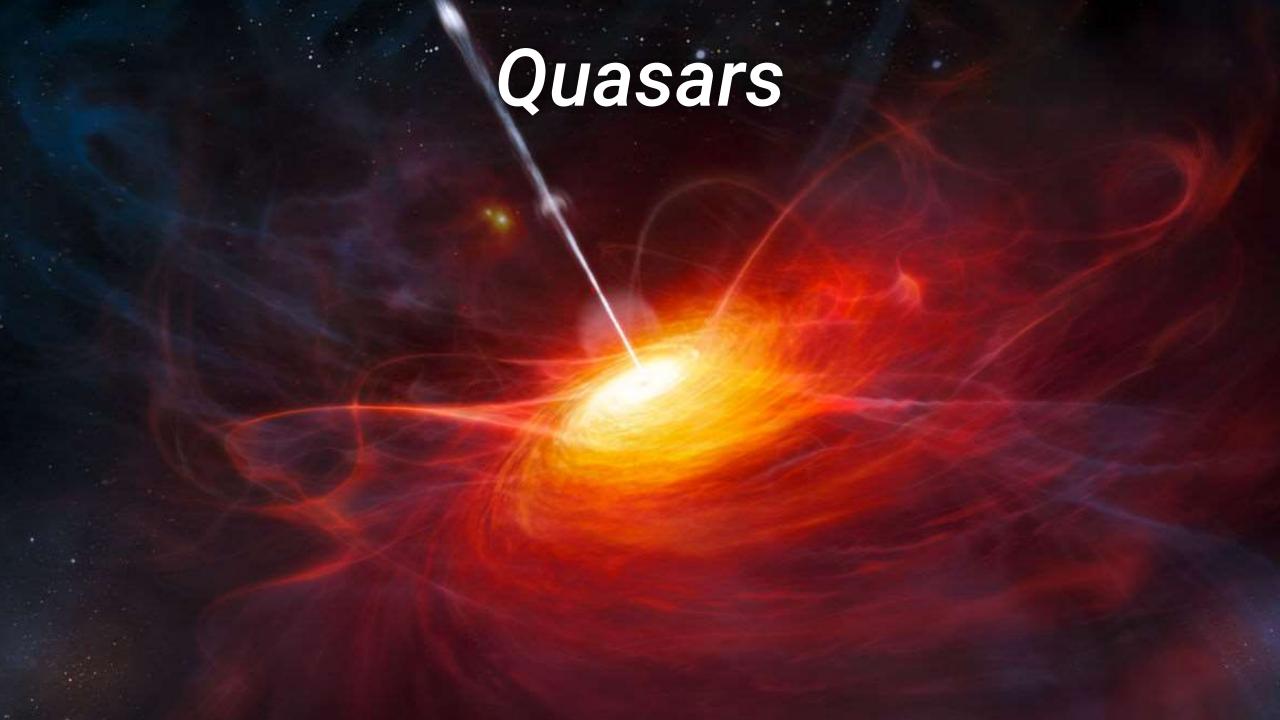


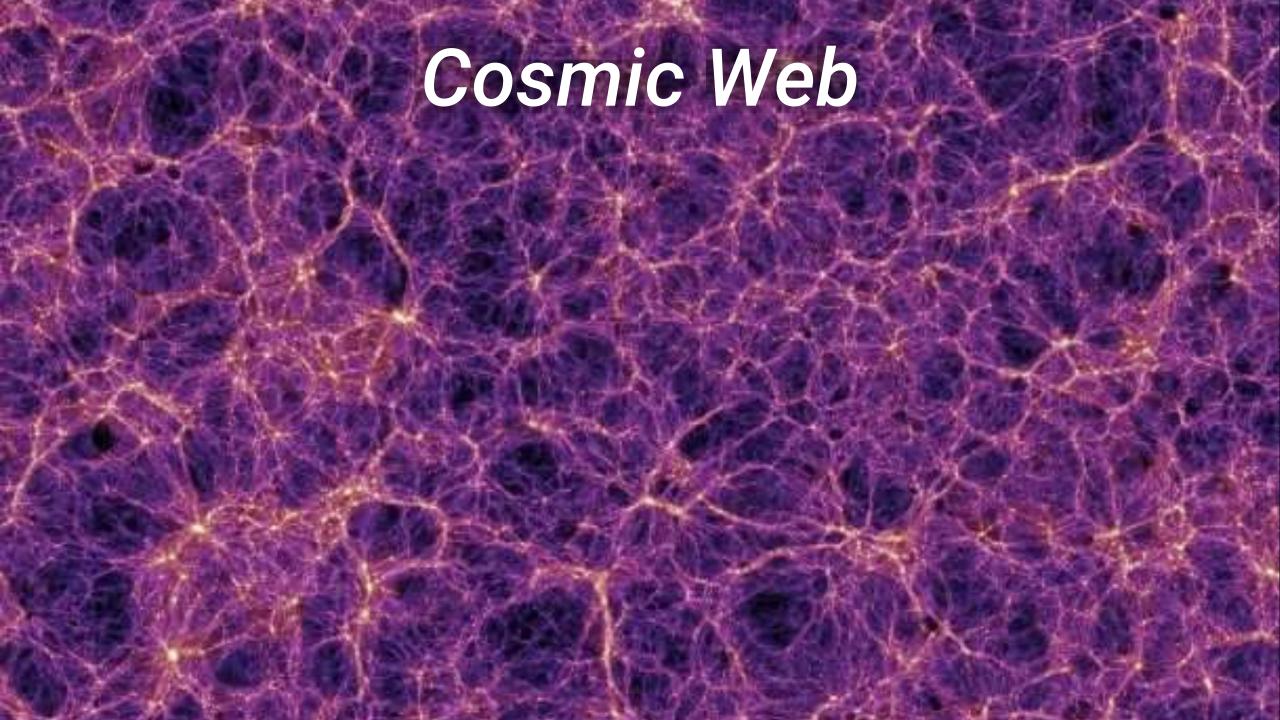


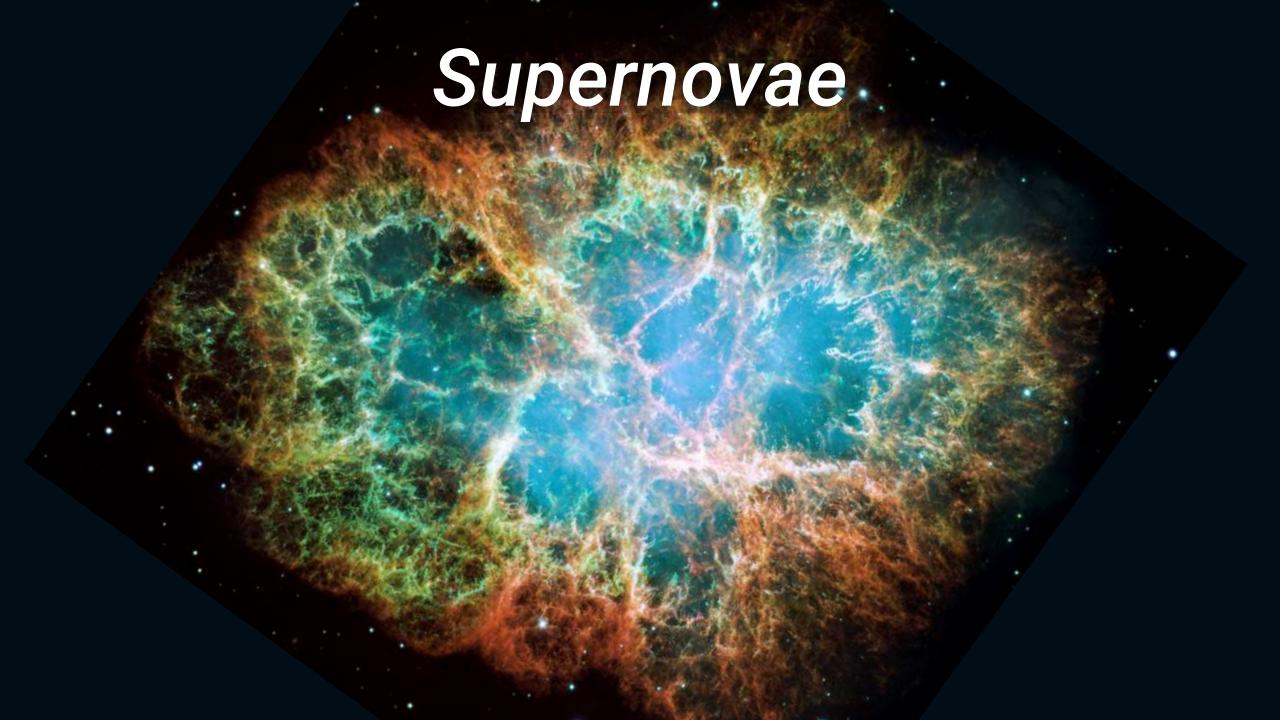


Galaxy evolution













Let's test your space facts

It rains acid on which planet:

Mercury

Venus



What is at the centre of our galaxy?

Black hole

Worm hole

Heads

Which is faster?

Satellite

Earth

Heads



Credit: Michele Falzone

Which takes longer?

Driving to the moon

Walking around Aus

Heads

How many moons does Jupiter have?

Less than 50

More than 50

Heads

Which is older?

Comets Dinosaurs



Which is colder?

Mars

Venus



You can fit all the planets between Earth and the Moon?

True

False



How thick are Saturns rings?

More than Less than Earth

Earth

Heads

Which is hotter?

Lightning
Bolt

Surface of the sun

Heads

Which is bigger?

Neptune

Uranus



Which is bigger?

Shooting star

A football

Heads

Stars can be giants or dwarfs. Our is:

Giant

Dwarf



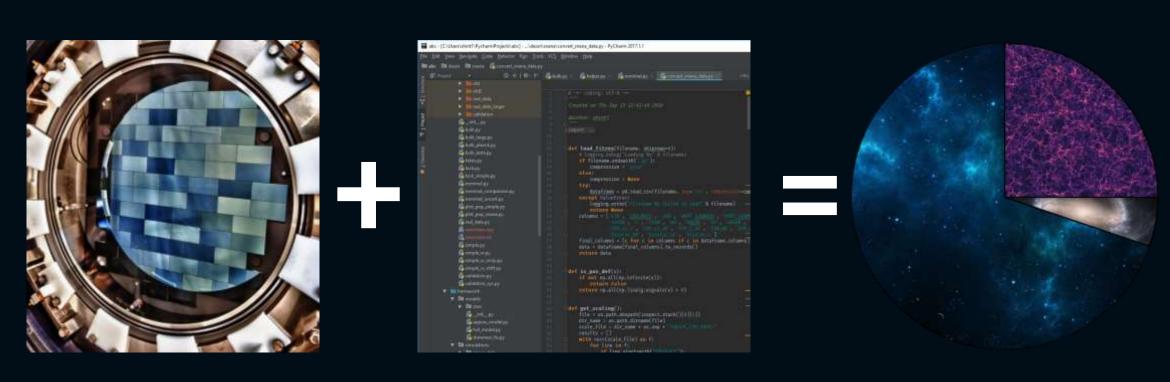
Stars can be giants or dwarfs. Our is:

Giant

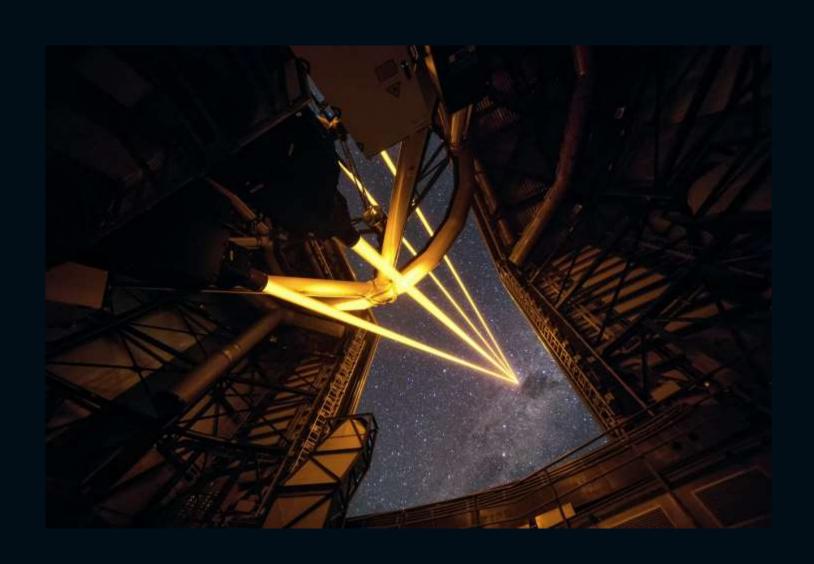
Dwarf



What I do for my PhD

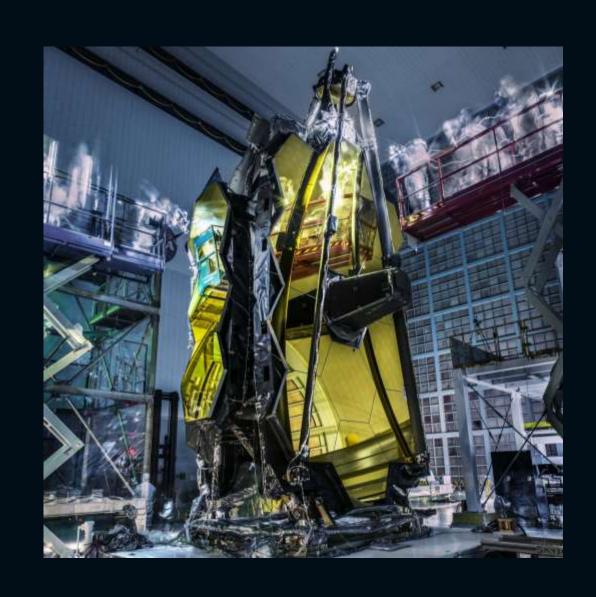


Use **observations** + lots of **code** to look at **dark energy**



Use *lasers*to create
fake stars!

Build telescopes to launch into space!





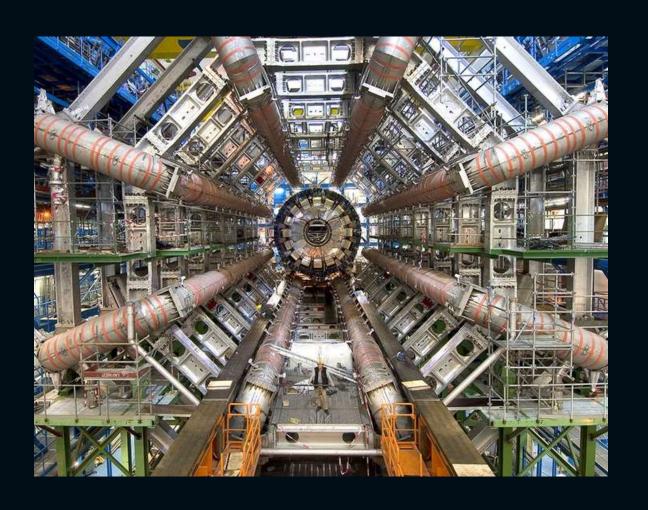
Detect

gravitational

waves!

Help detect

exotic particles
by smashing
things together!



Never tried coding?

Let's see if you can make a **sandwich**.

Coding sounds like fun?

Artificial intelligence. Analysing data. Designing websites. Running simulations. So much more.

