UTAT

Educational Presentation
Byte the Web Intro to Git/GitHub Workshop

A better way for us to collaborate and connect the world.
By: Khang Nguyen

January 7th, 2022

A bit about me

University of Toronto
Bachelor of Applied Science in Engineering Science, Aerospace, Aeronautical and Astronautical Engineering
2020 - 2024

Activities and societies: University of Toronto Aerospace team, Tennis Skule A, University of Toronto Tennis Club, University of Toronto Aerospace Team, Engineering Society

University of Toronto Aerospace Team
On-Call · 2 yrs 3 mos

● **Attitude Determination and Control Systems (ADCS) Lead**
Nov 2021 - Present · 1 yr 1 mo

Ensures the spacecraft is oriented optimally for communication, operation and power generation

● **Sensors and Actuators Project Lead**
Sep 2021 - Jun 2022 · 10 mos

● **ADCS General Engineer, Space Systems**
Sep 2020 - Oct 2021 · 1 yr 2 mos
Toronto, Ontario, Canada

Skills: C (Programming Language)

Guidance, Navigation and Control (GNC) Software Developer
Astris Aerospace Inc · Internship
May 2022 - Sep 2022 · 5 mos
Toronto, Ontario, Canada

Skills: LaTeX · GitHub · Python (Programming Language)
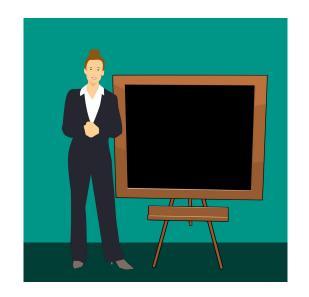
Today Agenda

What are we doing today?

UNIVERSITY OF TORONTO AEROSPACE TEAM
WWW.UTAT.CA | CONTACT@UTAT.CA

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Today Agenda

- About me (1:00 - 1:05)

- What is Aerospace Engineering? (1:05 - 1:10)

- What is GitHub? (1:10 - 1:25)

- How to use GitHub? (1:25 - 1:45)

- Any questions? (1:45 - 1:55)

- How to contact me? (1:55 - 2:00)

What is Aerospace Engineering?

Aerospace Engineering

Aerospace engineering is the primary field of engineering concerned with the development of aircraft and spacecraft. It has two major and overlapping branches: aeronautical engineering and astronautical engineering. Avionics engineering is similar, but deals with the electronics side of aerospace engineering. [Copy from Wikipedia]
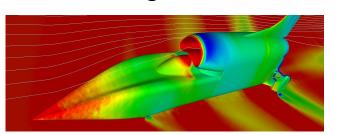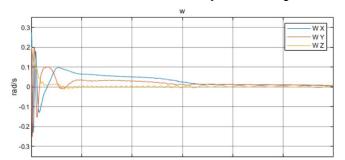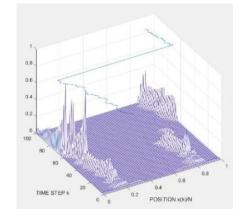

Aerial System

Space System

Rocketry

How do we use Software in Aerospace?

Modelling: We use software to model complex system

Control: We use code to control Robotic system

About UTAT

- UTAT is an award-winning design team that brings passionate undergraduates and graduates together to develop aerospace technology.
- UTAT divisions:
  - Rocketry
  - Space System
  - Unmanned Aerial System
  - Aerospace Policy

What is Github
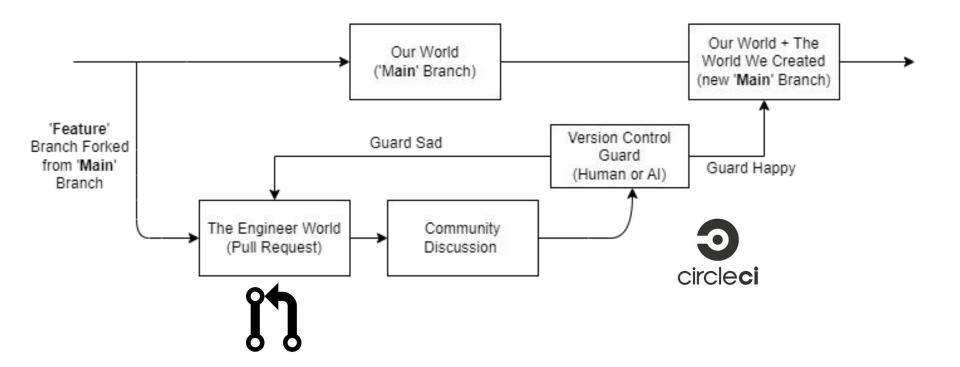
What is GitHub and why do we need it?
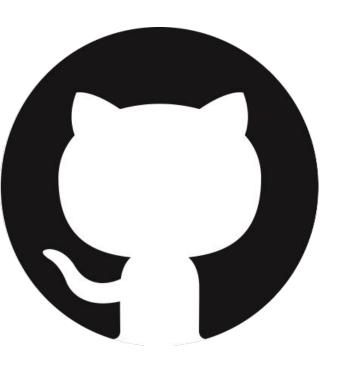
What is GitHub?

What is GitHub

How to use GitHub?

OK! Let's learn how to use it!

How to use GitHub?

PLEASE GO TO THIS REPOSITORY:

https://github.com/khangaerospace/Training

What you will need:
- Create a GitHub Account (https://github.com/)
- Github Desktop(https://desktop.github.com/)

Any Question?

I am happy to answer any question.

Contact Me

Let's stay connect

Khang's Contact information.

Personal Email: ngkhang.v@gmail.com