Why is GtHub Important?

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What is GtHub?



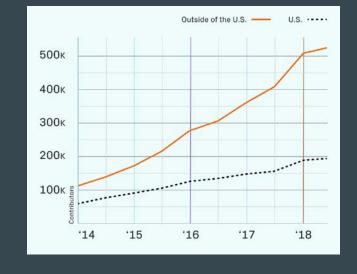
What is Gthub?

- A social network and platform for software developers
- Over 65 million users
- A place to Share, Communicate,
 Collaborate with others, especially programmers



What's on GtHub

- Over 100 million live Projects
- New projects increasing over the years
- Showing the trend of using GitHub for Software development



Variety of GtHub

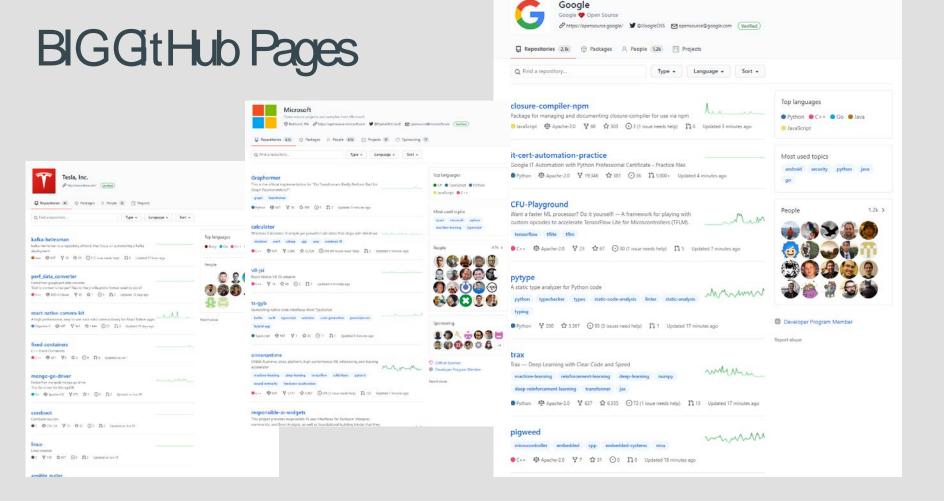
- Countless topics and projects available for the public
- Encompassing most popular topics nowadays

		Contributors	
1	Microsoft/vscode	19к	
2	facebook/react-native	10ĸ	
3	tensorflow/tensorflow	9.3к	1
4	angular/angular-cli	8.8ĸ	
5	MicrosoftDocs/azure-docs	7.8ĸ	
6	angular/angular	7.6ĸ	1
7	ansible/ansible	7.5ĸ	A
8	kubernetes/kubernetes	6.5к	V
9	npm/npm	6.1ĸ	١
10	DefinitelyTyped/DefinitelyTyped	6.0ĸ	

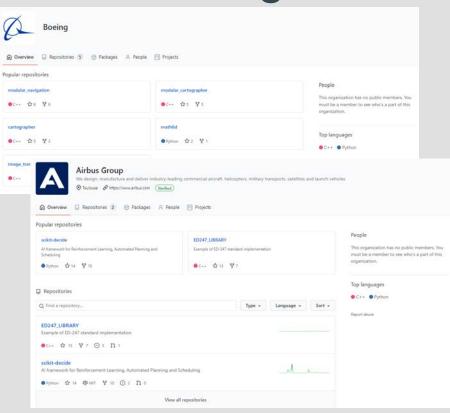


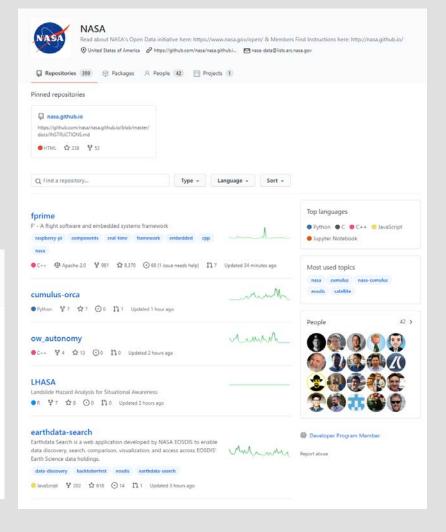
- 1 React
- 2 Android
- 3 Node.js
- 4 Docker
- 5 iOS
- 6 Linux7 Angular
- 8 Machine-learning
- 9 Electron
- 10 API





BIGGtHub Pages



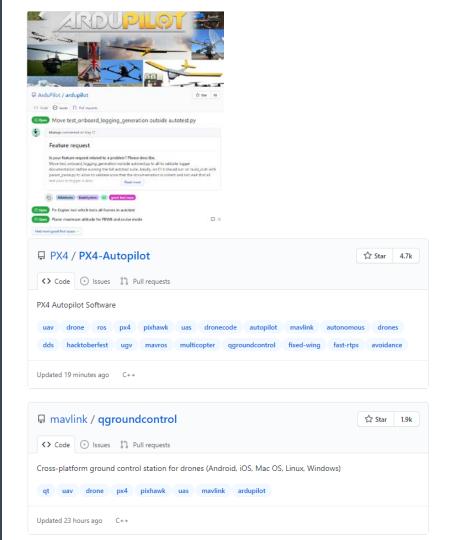


What's on GtHub?

How is it related to AAE?

Flight control softwares for UAV

Ardupilot, PX4 and more



About These Softwares

Ardupilot:

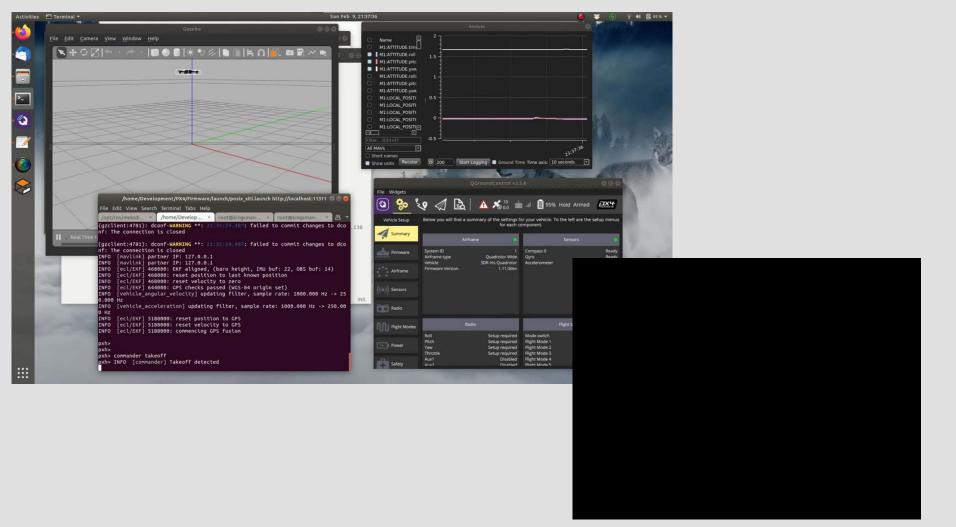
- Open source software suite
- Quadcopters, VTOL and more
- Cross platform
- Over 10 years of development and improvement



PX4:

- Also open source
- Works with QGC and MAVLink (Also available in GitHub)



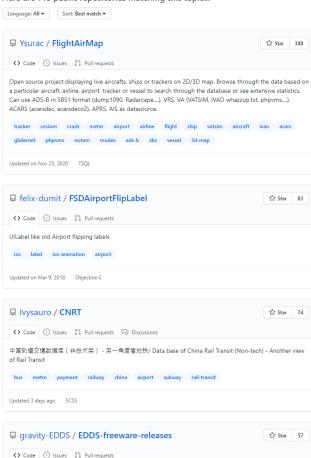


Aviation Services Engineering

Logistics and Facility
Management and more



Here are 148 public repositories matching this topic...

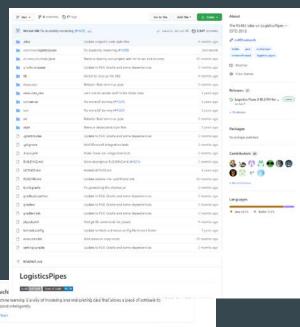


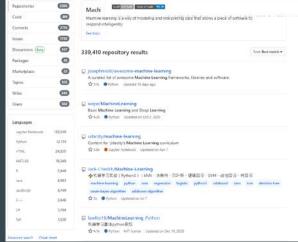
Logistics and Facility Management

- Data analysis resources
- System modelling and simulations
- Logistical models

Machine learning for data analysis

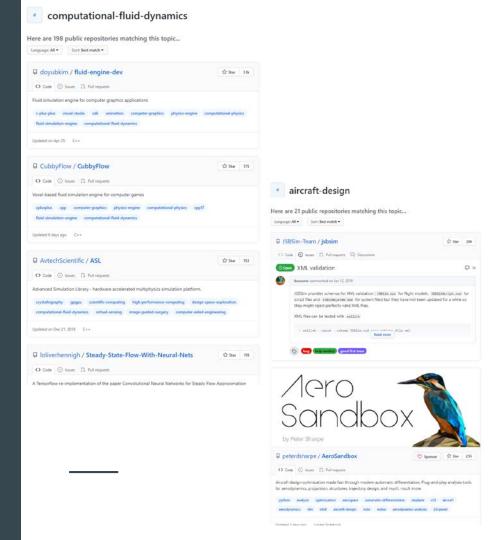
- Faster analysis
- Potential extra self-learning for students
- Extremely beneficial to their careers





Aeronautical Engineering

Material, aircraft designs, CFD and more

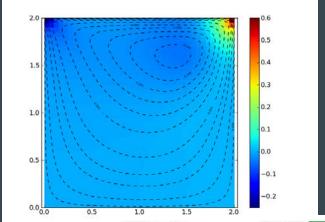


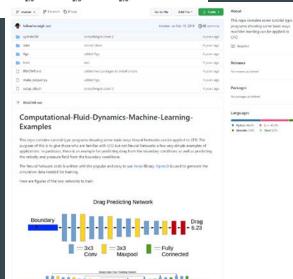
CFD Python

- Full course for CFD Python
- Course Materials (Lectures and videos)
- Software resources

CFD and **Machine** Learning

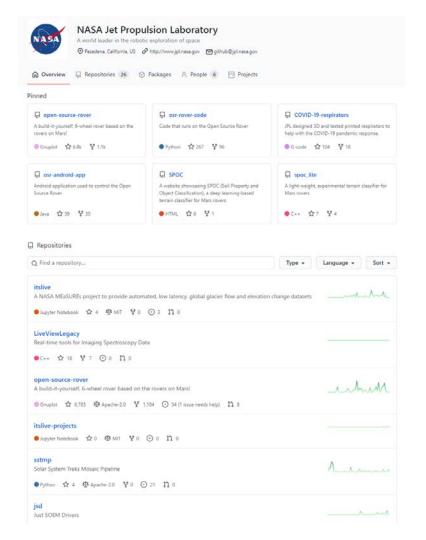
- Making use of ML
- Showing how neural networks can be applied to CFD





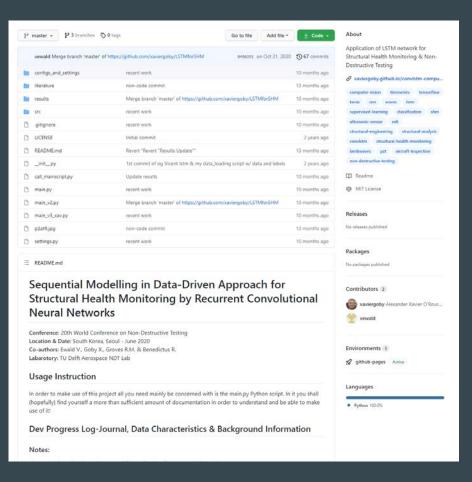
Aircraft Maintenance

Propulsion, NDT and more



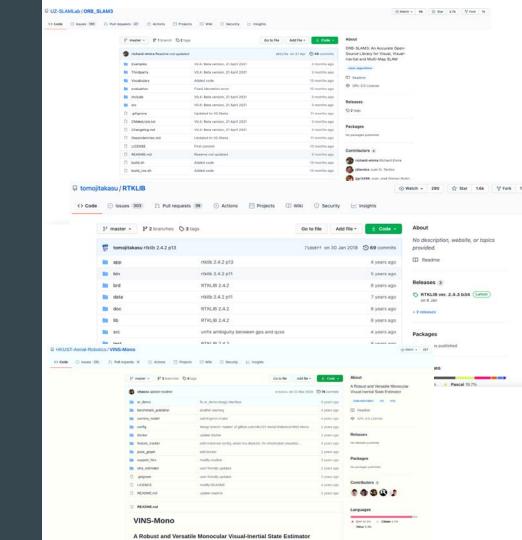
Example on NDT

- Resources on the whole conference
 - 20th World Conference on Non-Destructive
 Testing
- Documentation and software resources
- Applying LSTM to NDT



Navigation and Positioning

RTKLIB, VINS, ORB_SLAM3, ROS and more



Examples by our student using GtHub

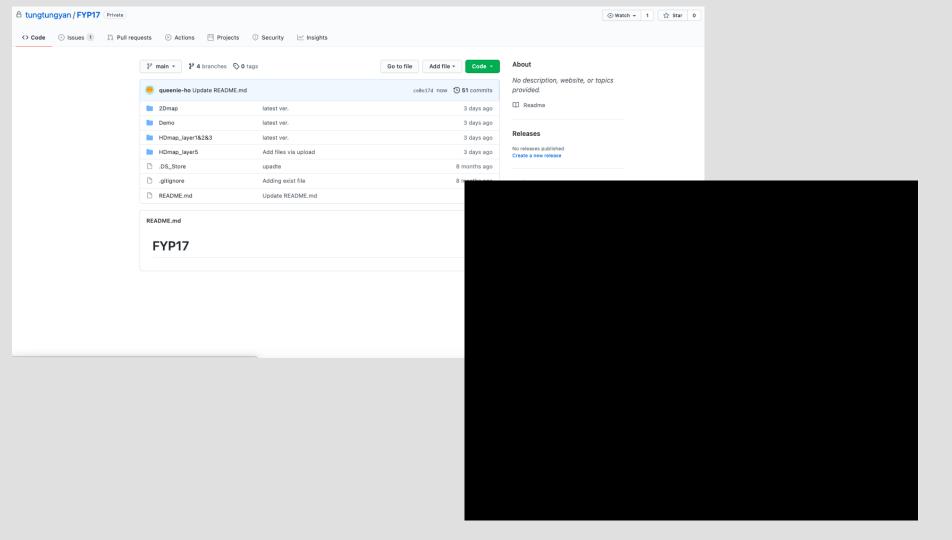


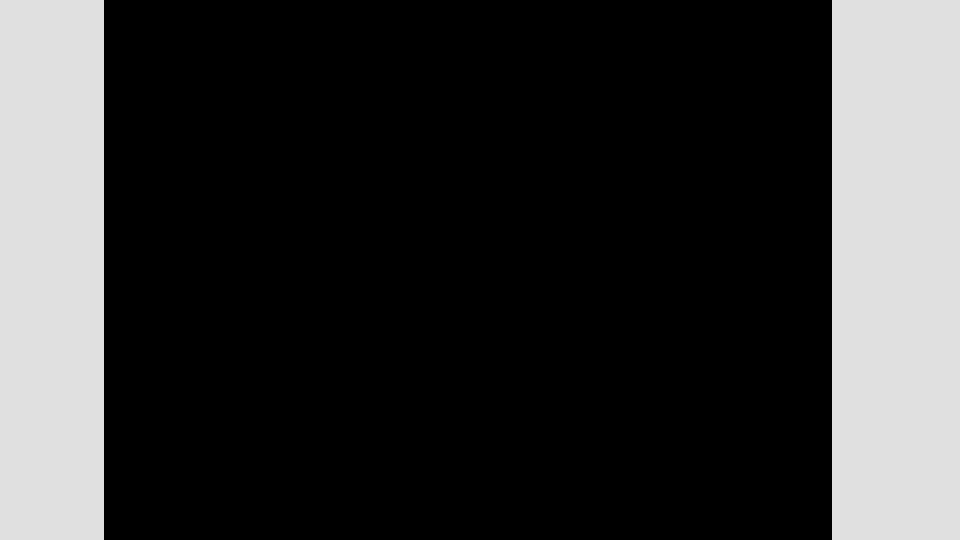
Run: ORB_SLAM3

Run: VINSMono

GtHub Facilitated Projects

Achieved using GtHub **Materials**







What WII You will Learn and Experience?

- Pull Request (Basic Features)
 - Allowing leaders to double check modifications done by teammates
- Code Synchronization (Version Control on Web, VS, MATLAB etc)
 - Ensuring everyone is working on the latest code version
- Self-learning using GitHub resources
- Look for interesting issues on GitHub



For Your Career

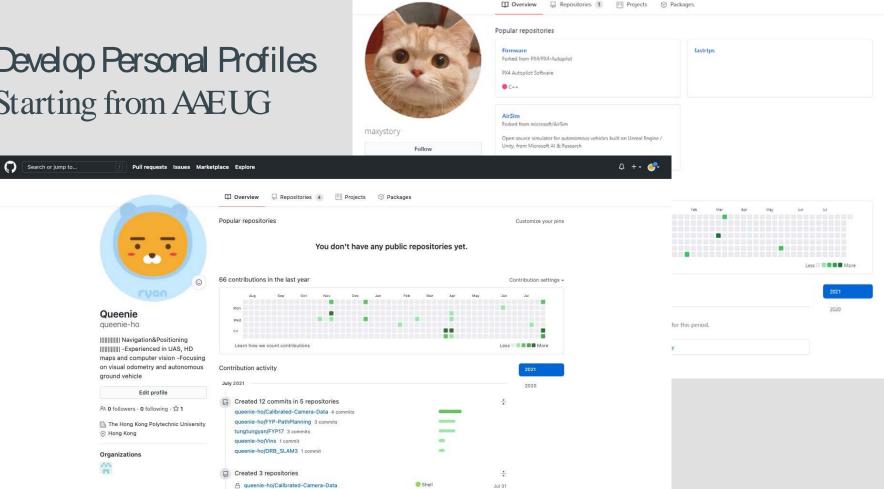


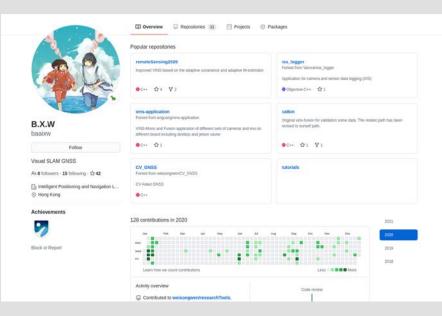
GtHub Facilitated Job Hunting

- A online digital profile for students
 - Indicating interests
 - Show past work
 - Roadmap of students' development career
- Let people know that you are looking for a job
- During job hunting
 - Better first impression
 - Better understanding
 - Appears more enthusiastic

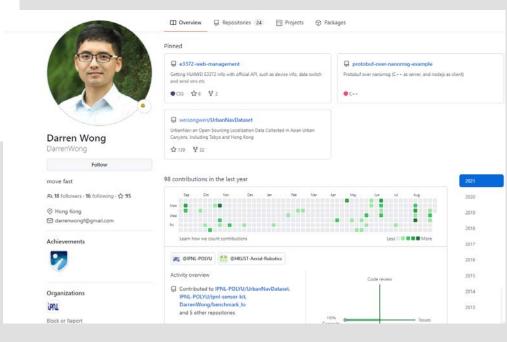


Develop Personal Profiles Starting from AAEUG





Up to Phd Studies





Seph Soliman scarlac

Follow

Tattoodo, Bitbucket, Konstellation. Software entrepreneur, developer and true full stack developer.

유 64 followers · 7 following · ☆ 71

Tesla

San Francisco

@ https://www.seph.dk

Achievements

Organizations



Block or Report

Overview Repositories 38 Projects Packages Pinned is-stopwatch drag-check-js Javascript Stopwatch class. Output can be controlled using a simple Library for checking multiple checkboxes by click-and-dragging over callback. them, Paint your selection! □ JavaScript ☆ 24 💝 7 JavaScript ☆ 21 ♀ 9 ☐ ClamshellOpen - chargenow App to allow running your laptop in clamshell mode with an open lid See DriveNow EVs in your area that needs charging. First react for Lion (10.7) and Mountain Lion (10.8) Objective-C 公5 ○ JavaScript ☆ 1

d3d-strategy ☐ lolpause

/ 15 (m)

Exam assignment to write a C# program. I chose to write a Direct 3D Strategy game. Graphics for this game was borrowed from C&C: Red Alert. For legal reasons, they are not included in the repository.

●C# \$2

MacOS utility app to pause League of Legends GUI Flash client while game is activate to lower CPU consumption

Contribution activity

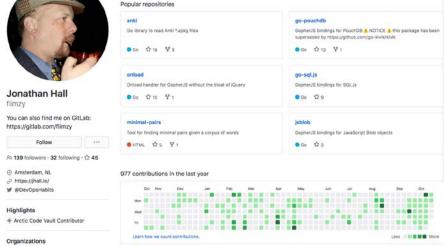
Objective-C 171

44 contributions in 2021

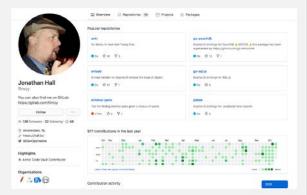


Contribution activity

August 2021



Repositories 79 Projects Packages



Making GitHub Part of your Work

Now you have an empty GitHub profile. How do you make it shine?

The following tips are roughly organized according to effort. Practically anyone can implement at least some of them. The later suggestions will be more discretionary, depending on your interests and time.

Star interesting projects

Whenever you run across a GitHub project that piques your interest, "star" it. Your starred projects appear on your public profile, and if nothing else, they provide recruiters and hiring managers an indication of what sorts of projects you find interesting.

Follow interesting people

GitHub also allows you to follow interesting people, and these people will appear on your public profile, as well. In addition to signaling to the world whom you find interesting, when people you follow make contributions to their projects, you will