

WEBINAR

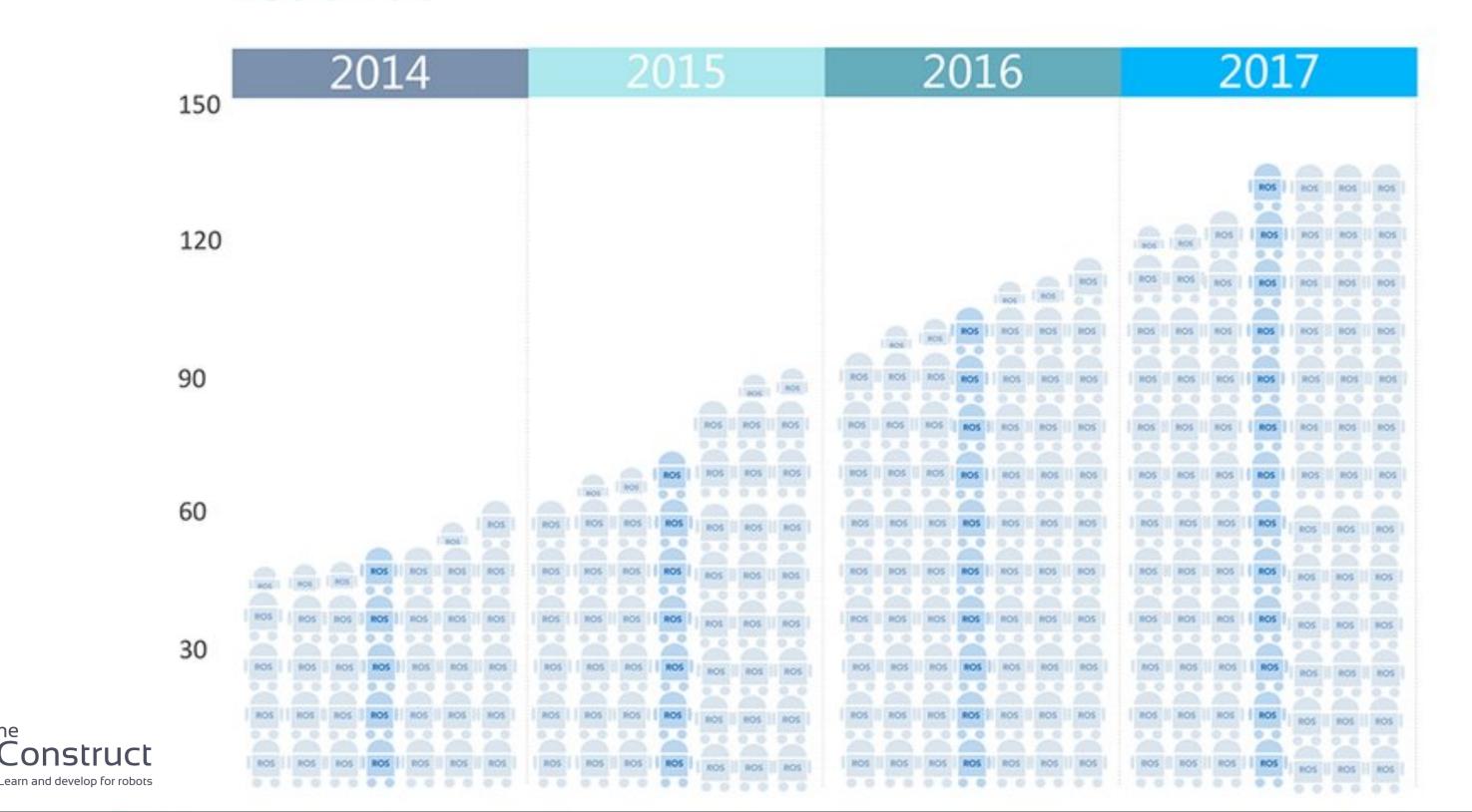
HOW TO TRAIN YOUR TECH TEAM ON ROBOT OPERATING SYSTEM

Ricardo Téllez I CEO of The Construct

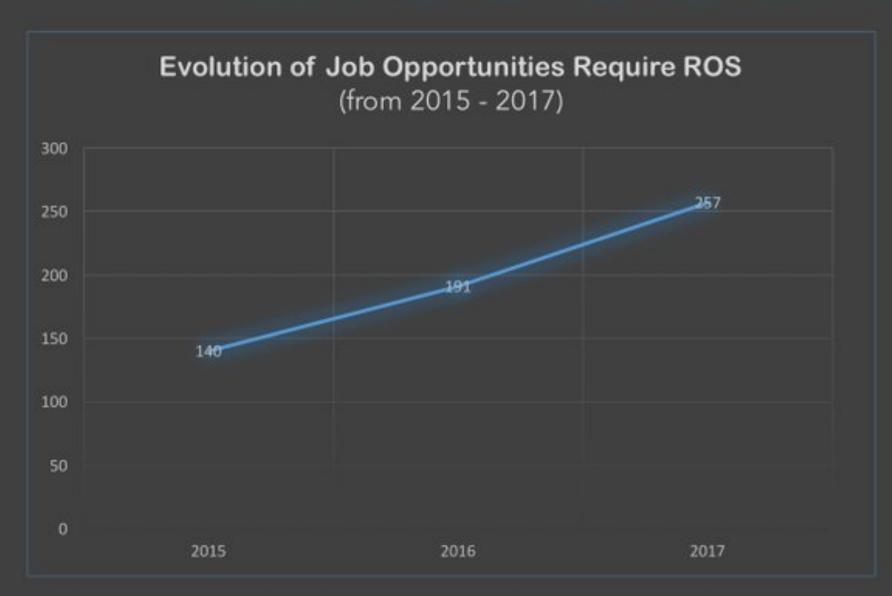


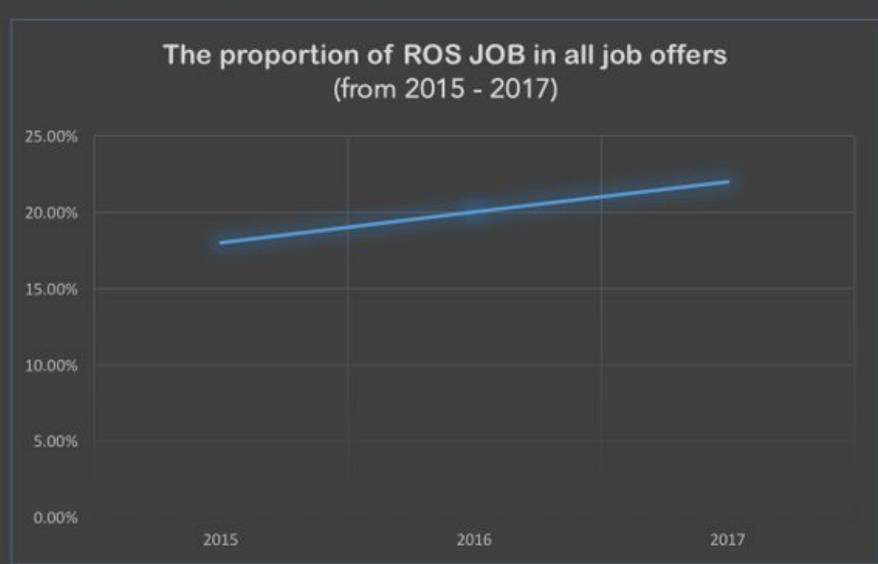
Robots Listed On robots.ros.org

The N° of different types of robots available to the community with ROS drivers



::ROS JOB PROSPECTS





(data sources: robotics-worldwide)



TO SHOW YOU HOW TO
EQUIP YOUR TEAM WITH
ROS KNOWLEDGE... FAST!



WHICH ARE MAIN SUBJECTS YOUR
 TEAM MUST LEARN

HOW TO BUILD AN OPTIMAL PATH
 FOR FAST LEARNING

HOW TO MAKE YOUR TEAM LEARN
 ROS IN 5 DAYS



"We used the RIA method with students didn't have any previous knowledge about ROS or robotics. In just 3 days, they were able to go through the ROS Basic course with amazing results"









STAY WITH METOTHE END

Instructions for how to get extra bonus at the end of the webinar

Bonus includes:

- These slides
- 20 pages pdf with extra details about how to do it



• IN A RECORD TIME

• WITH LITTLE PREPARATION FROM YOU

WITHOUT HAVING TO MANAGETHEM

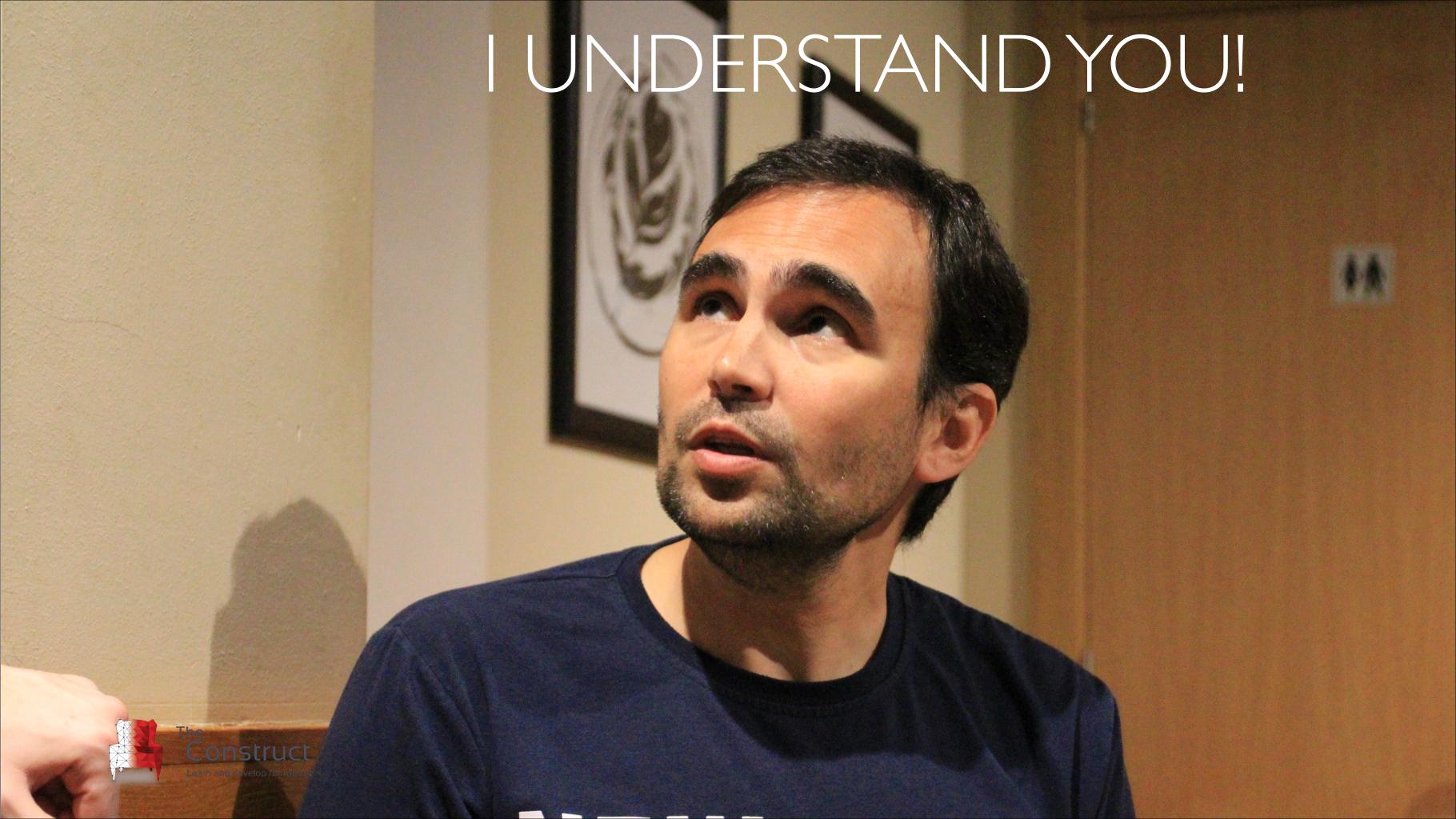


TRIED TO UNDERSTAND ROS BUT... NO WAY!

• TRIED TO FOLLOW TUTORIALS... FRUSTRATION!

• TRIED TO INSTALL ROS + GAZEBO... PROBLEMS!





IT ALSO HAPPENED TO ME

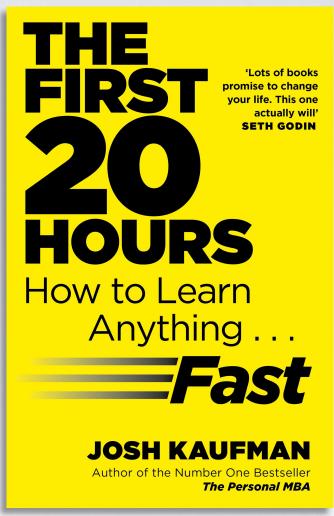




APPLY A METHOD FOR LEARNING:

- ✓ Deconstruct ROS
- ✓ Identify 20/80
- √ Remove the rest
- ✓ Practice





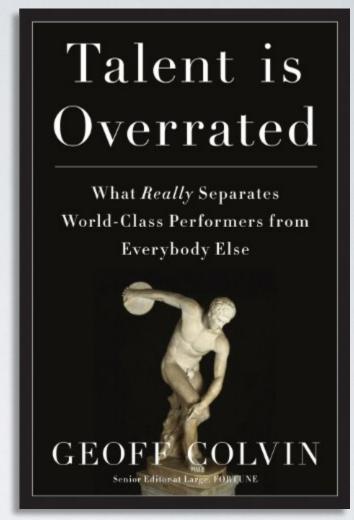
"IF YOU CROSSED JASON BOURNE WITH JULIA CHILD, YOU'D END UP WITH TIM FERRISS."

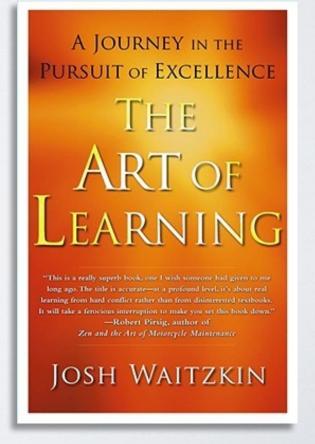
The 4-Hour

LEARNING ANYTHING,

TIMOTHY FERRISS







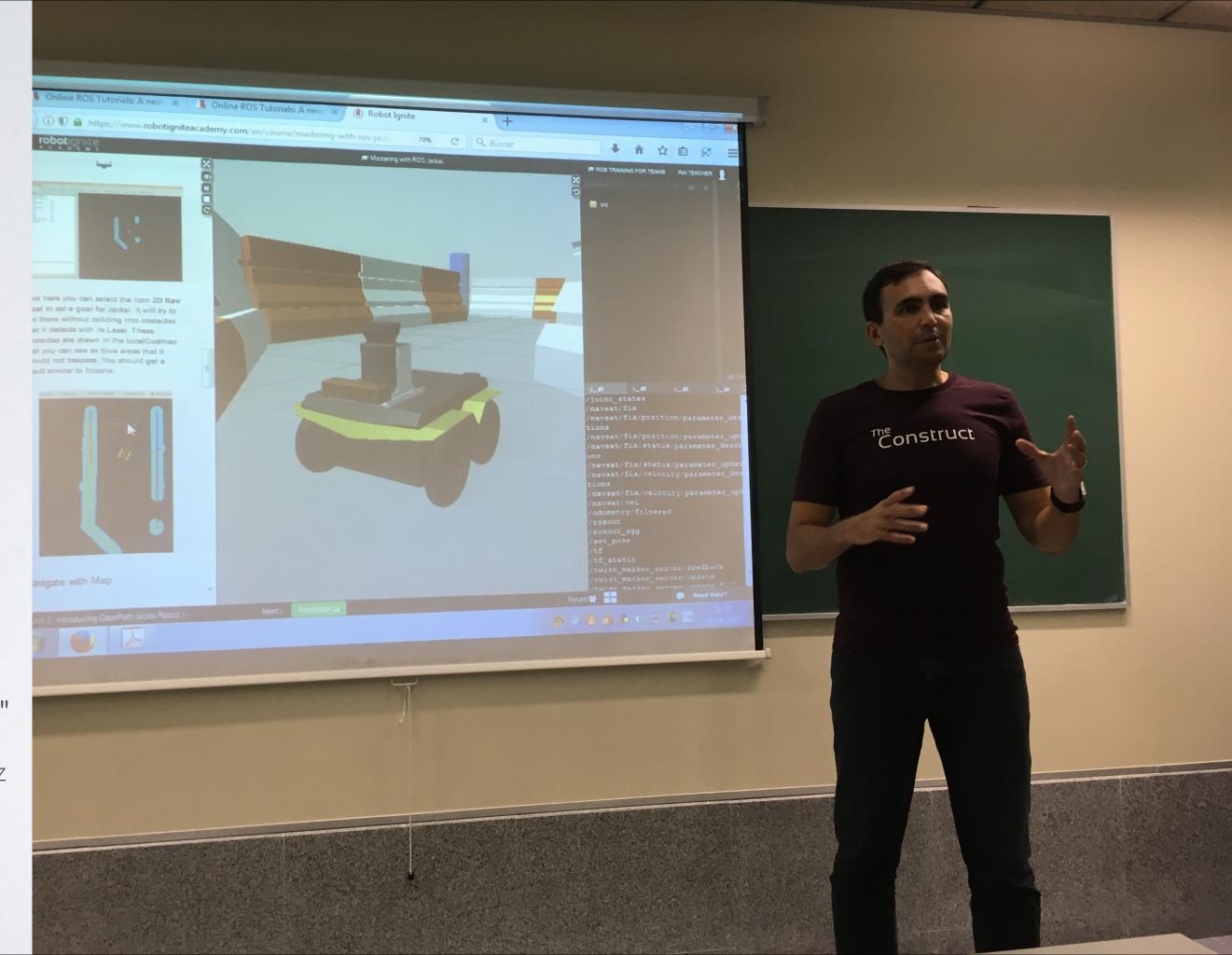
S P E A K E R

Ricardo Téllez, PhD CEO of The Construct

"Developing the tool that will make robots understand their world"

in linkedin.com/in/ricardotellez







HAVEYOUTRIED TO FOLLOW THE ROS WIKI TUTORIALS AND FELT FRUSTRATED OF THE SLOW IMPROVEMENT AND UNDERSTANDING?

| :::ROS.org | This is where you can sign up to contribute to ROS. About Mailing Lists code.ros.org | The search box allows you to search over both the text and titles of wiki pages. The default search is text. Search: Text Titles |
|--|---|--|
| Documentation | Browse Software | News |
| The Documentation and the ROS.org links will take you to the ROS landing page with the list of relevant links. | The Browse Software link will display a list of all the software packages in ROS, along with a brief description. | The News link will keep you informed about the latest happening with ROS. |



YOU ARE AT THE PROPER PLACE!

· Angel Soriano, teacher at University of Valencia, Spain

"Thanks to The Construct and its team, I challenged myself to

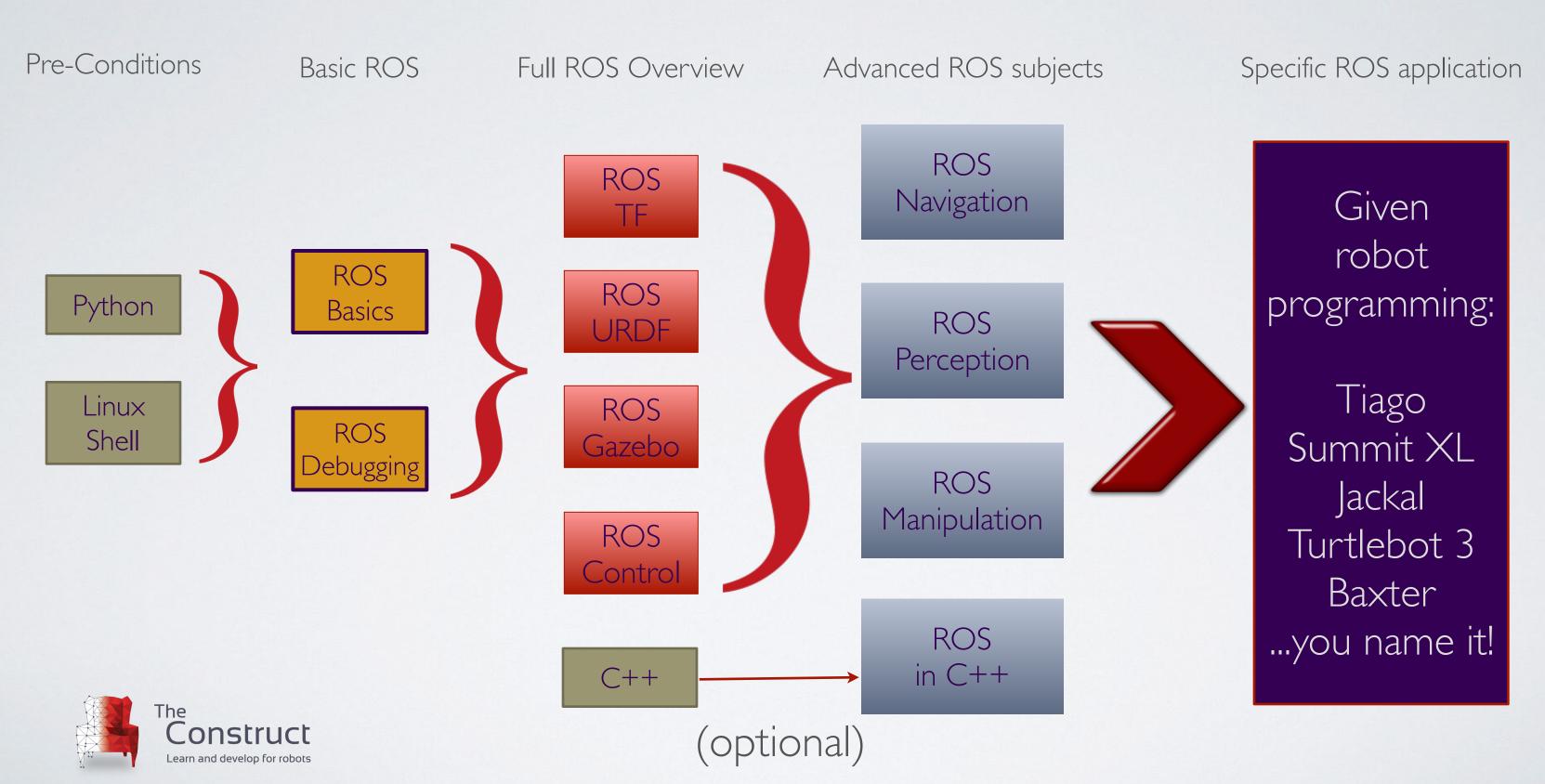
teach ROS from zero, and the results were exceptional"











REQUIRED ROS SUBJECTS TO MASTER

- Linux Shell, C++ or Python
- ROS Basics
- ROSTF
- ROS URDF
- ROS Debugging
- ROS Navigation, Perception and Manipulation
- Program your robot







How To BUILD THE CURRICULUM

BUILD THE CURRICULUM

- O Make team use Python
- O Install ROS via Docker container
- O Prepare Gazebo simulations for practice
- O Use a specific ROS wiki path for optimal learning





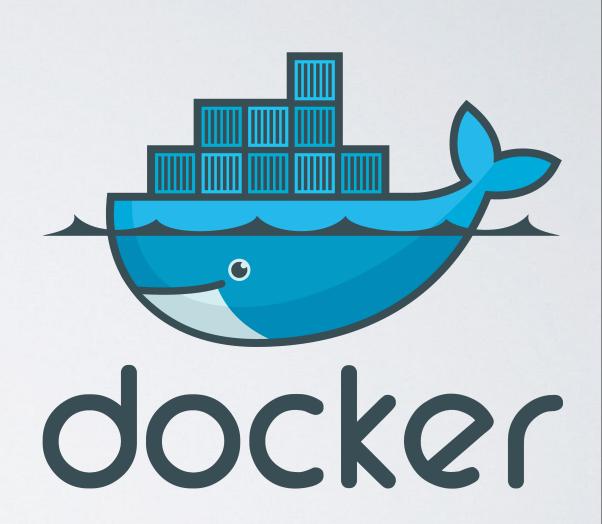
- Team must learn Linux Shell
 Use this online course:
 - - https://www.codecademy.com/learn/learn-the-command-line
- Team must learn Python
 Use this online course:
 - - https://www.codecademy.com/learn/learn-python





O Follow instructions of this link:

http://wiki.ros.org/docker/Tutorials/Docker

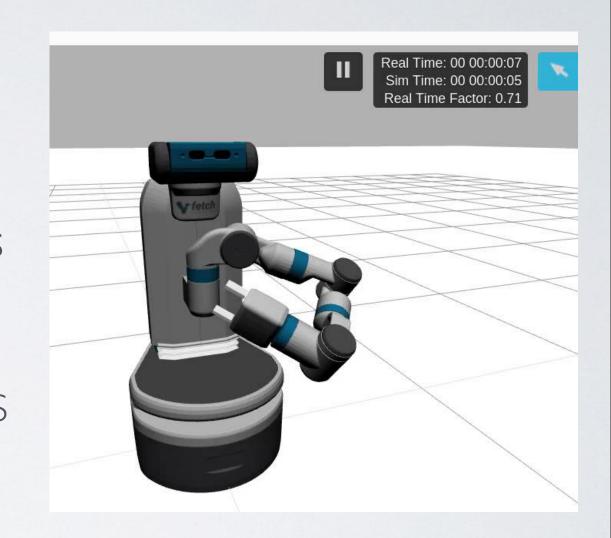




GET THE ROBOT SIMULATIONS

- O Get robot simulations to practice.
- Our company provides many robot simulations for free in this git repo

https://bitbucket.org/account/user/theconstructcore/projects/PS





- Ohttp://wiki.ros.org/ROS/Tutorials/NavigatingTheFilesystem
- Ohttp://wiki.ros.org/ROS/Tutorials/CreatingPackage
- Ohttp://wiki.ros.org/ROS/Tutorials/UnderstandingTopics
- Ohttp://wiki.ros.org/ROS/Tutorials/WritingPublisherSubscriber%28python%29
- Ohttp://wiki.ros.org/ROS/Tutorials/ExaminingPublisherSubscriber



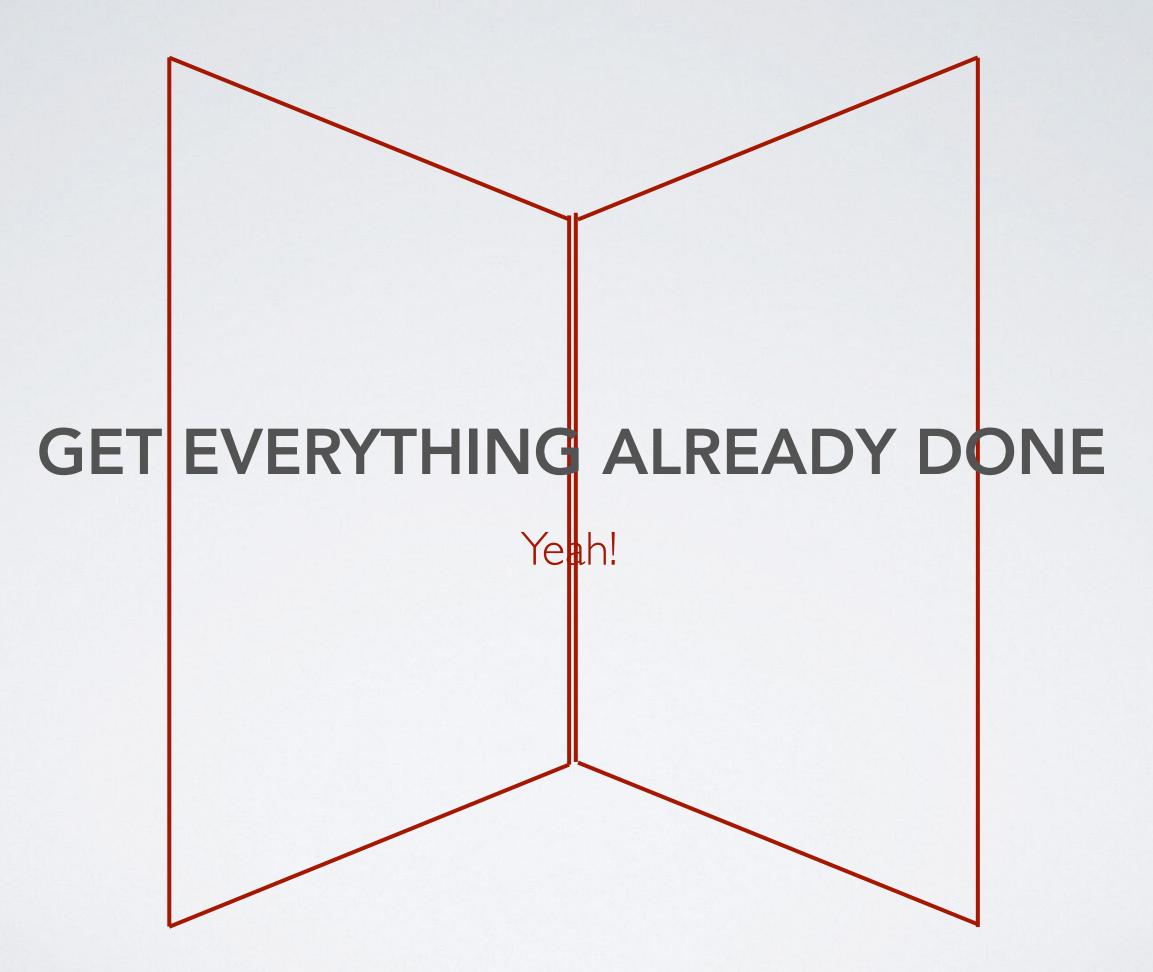
- Ohttp://wiki.ros.org/ROS/Tutorials/WritingServiceClient%28python%29
- Ohttp://wiki.ros.org/ROS/Tutorials/ExaminingServiceClient
- Ohttp://wiki.ros.org/ROS/Tutorials/CreatingMsgAndSrv
- Ohttp://wiki.ros.org/ROS/Tutorials/UnderstandingServicesParams
- Ohttp://wiki.ros.org/ROS/Tutorials/DefiningCustomMessages



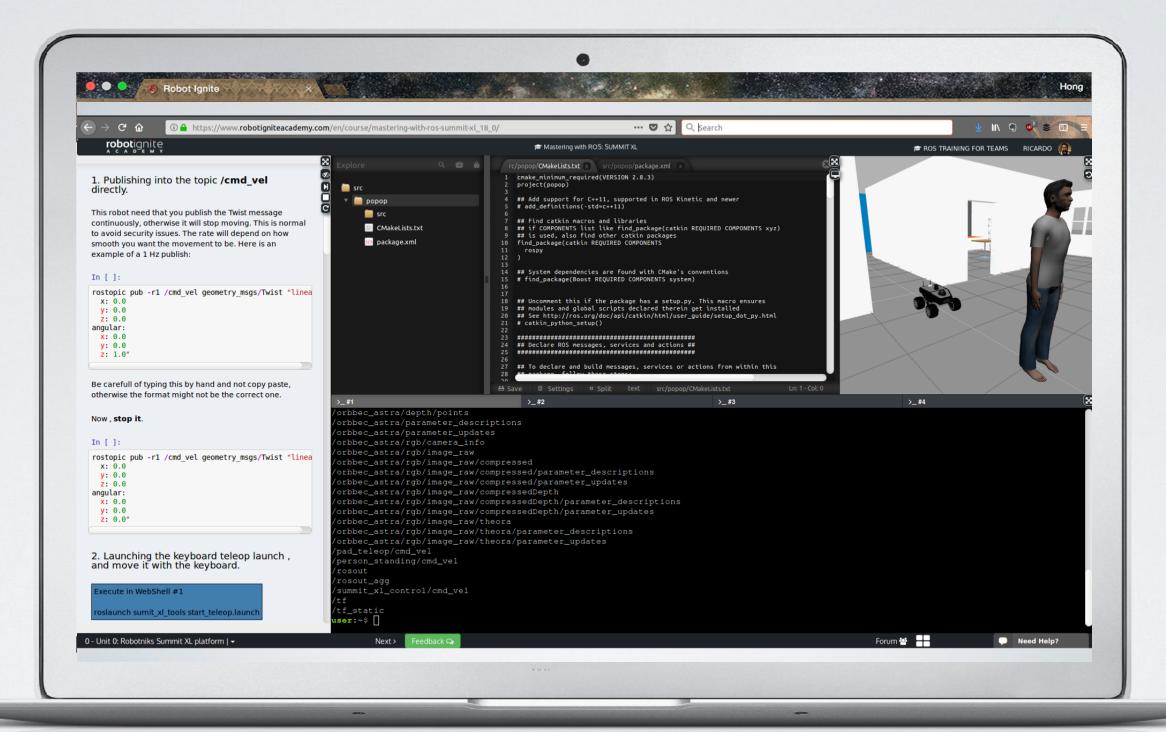
- O http://wiki.ros.org/ROS/Tutorials/Recording%20and%20playing%20back%20data
- O http://wiki.ros.org/tf/Tutorials
- O http://wiki.ros.org/urdf/Tutorials
- O http://wiki.ros.org/ros_control
- O http://wiki.ros.org/navigation/Tutorials







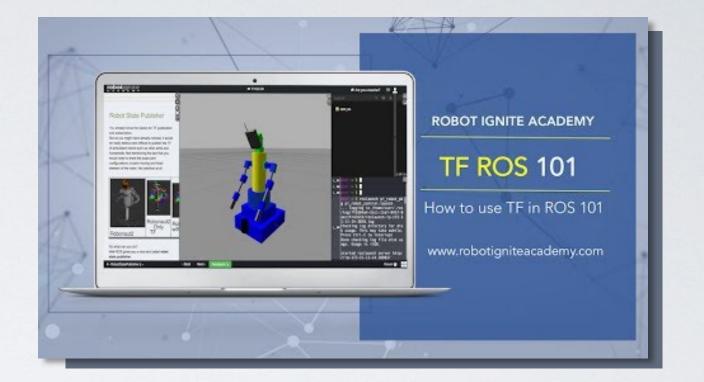




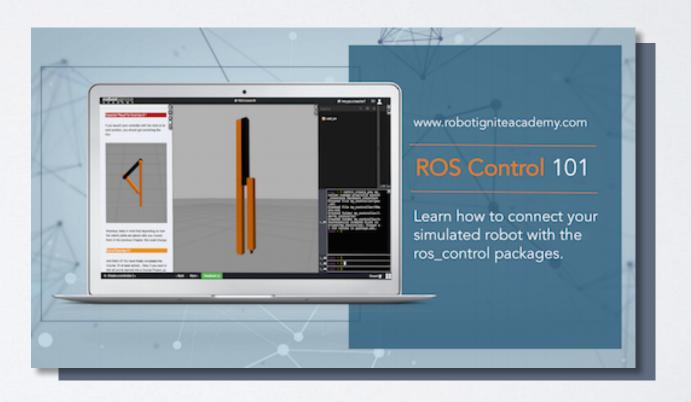


ROBOT IGNITE ACADEMY













ROS Basics

ROS Navigation

ROS Perception

Robot Creation

ROS Auto-Vehicles

ROS-Industrial

RGB-Navigation

ROS Control

RTAB-Map in ROS

ROS RViz

ROS Manipulation

OpenAl Gym

URDF ROS

TF ROS



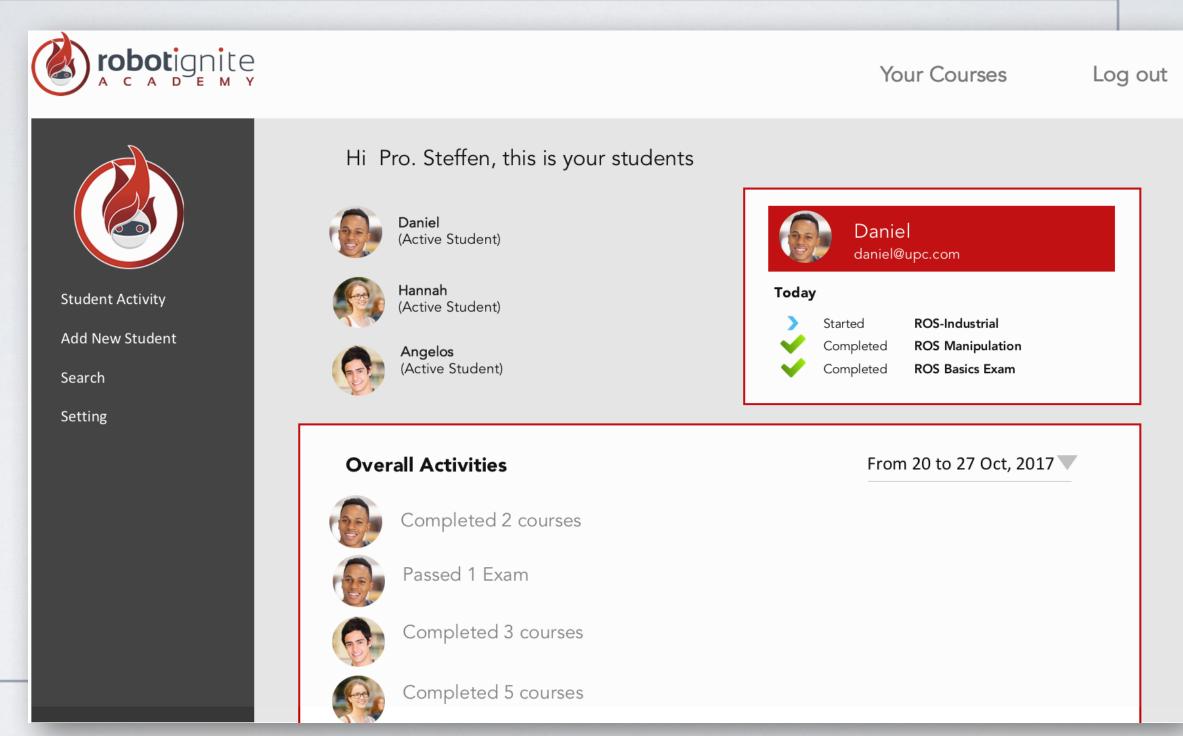


ROBOT IGNITE ACADEMY











World Clients | They are using our platform to empower their team with ROS skills























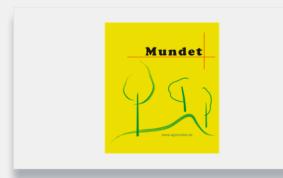
















"It was the simplicity of getting started. And also the fact that I can learn on whatever computer (PC or Macbook) from any location!"

SA Y





Weekly Plan €15/we

- Suitable for learners who have plenty of time to learn.
- Ideal for learn a specific ROS topic
- Weekly subscription fee for accessing all courses available
- 100+ high quality video tutorials

Start for free

Monthly Plan €40/mo

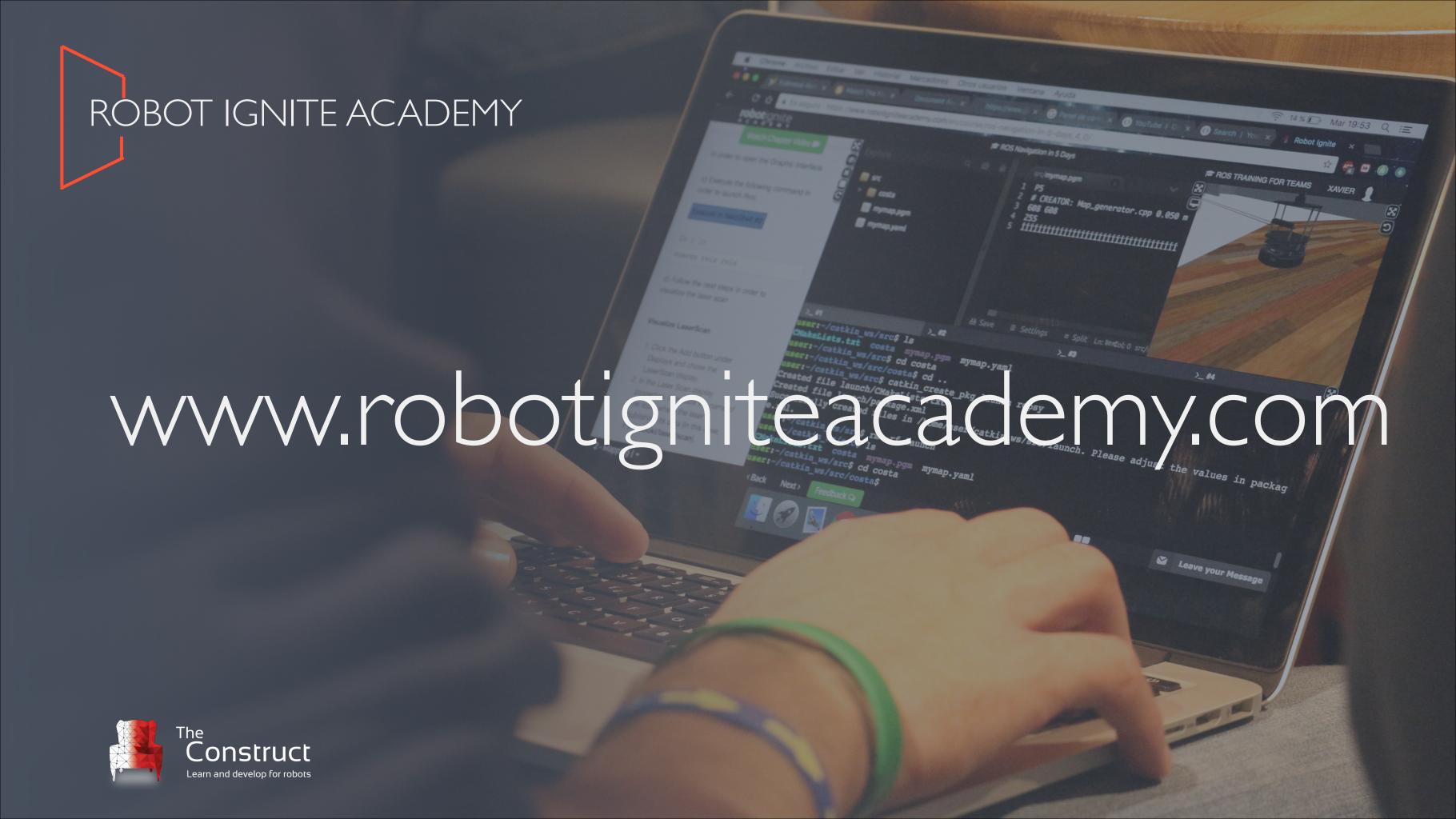
- Suitable for learners who want to study more than one course in a short time.
- Monthly subscription fee for accessing all courses available
- Enjoy exclusive bonus content
- Interview with our ROS experts
- 100+ high quality video tutorials

Start for free

Annual Plan €250/ye

- Suitable for learners who do not have time to focus and learn everyday
- Perfect for people who want to master latest robotics knowledge (we update course monthly)
- Annual subscription fee for accessing all courses available
- Have priority to learn new courses

Start for free





HOWTO GETTHE BONUS?

Send email to:

rtellez@theconstructsim.com

with Subject:

I want to train my tech team fast!





ROSWEBINAR

QUESTIONS?

Ricardo Téllez I CEO of The Construct