

Why study robotics? How to program a robot in a simulator

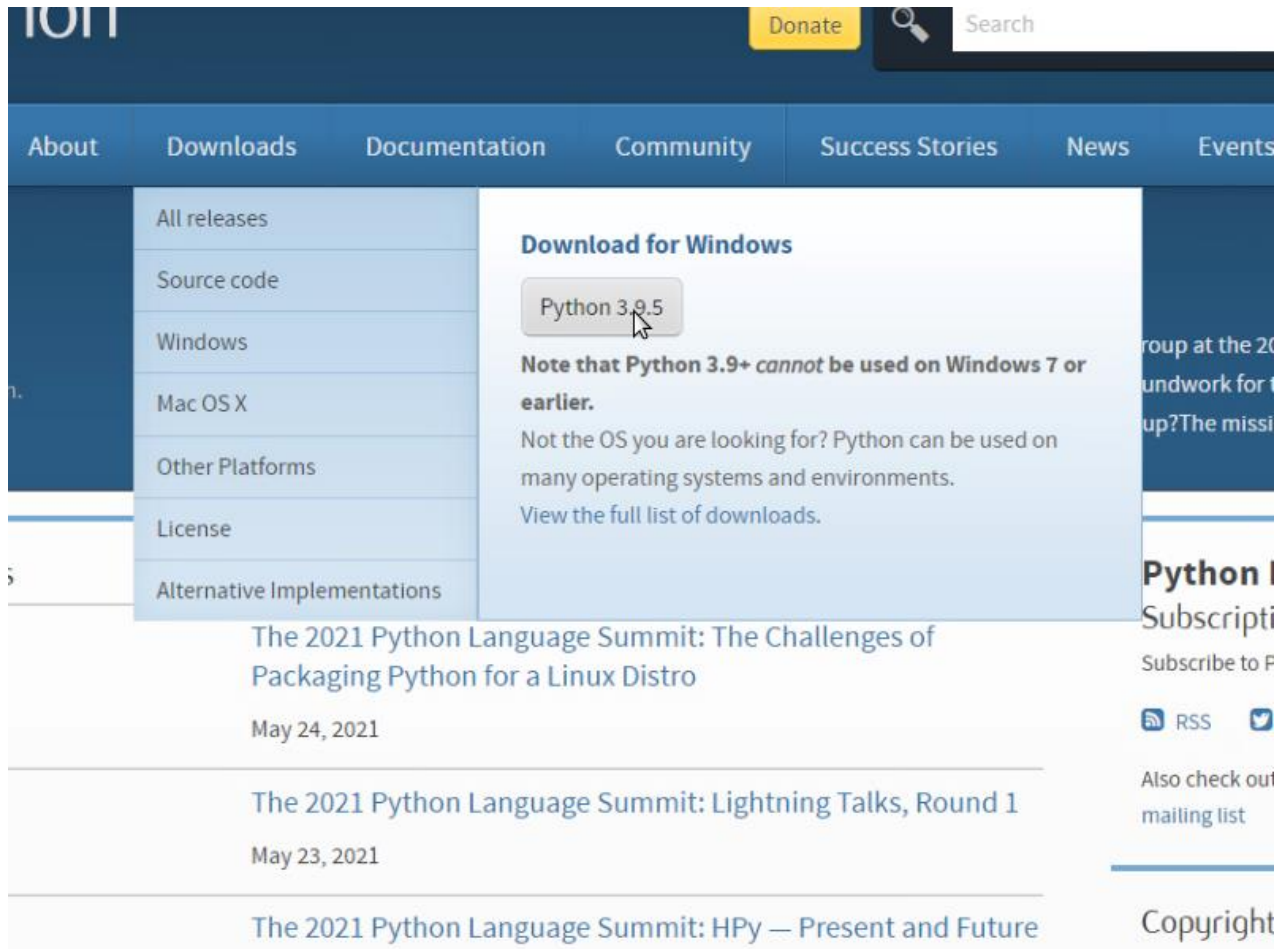
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<https://ljmanso.com>



Software requirements

- ▶ **You can get most of the talk just watching!**
- ▶ Software to install
 - ▶ Webots
 - ▶ Python 3

Installing Python



Download Python 3 from <https://python.org>

Installing Python



Run the installation wizard

Installing Python

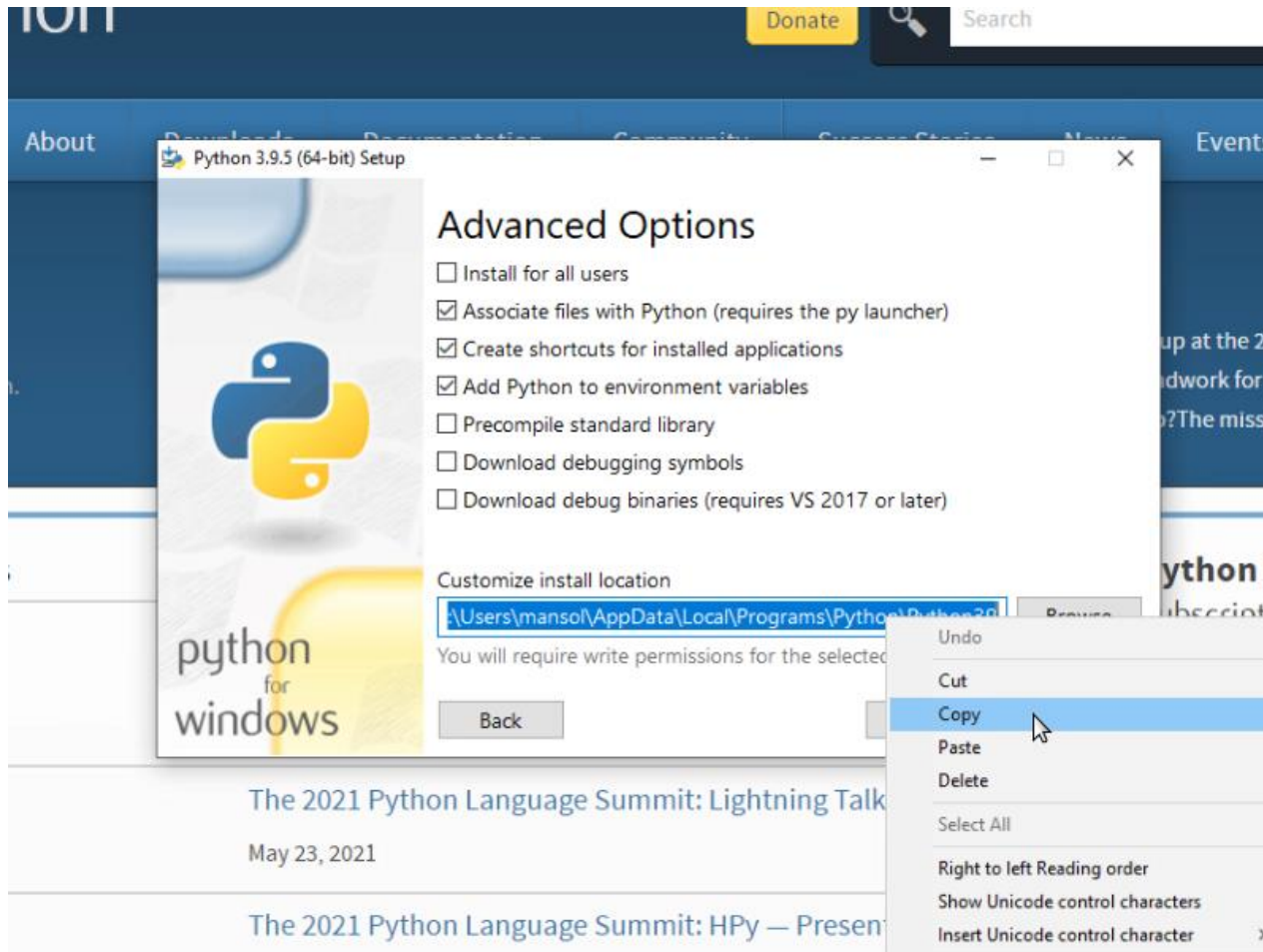


Installing Python

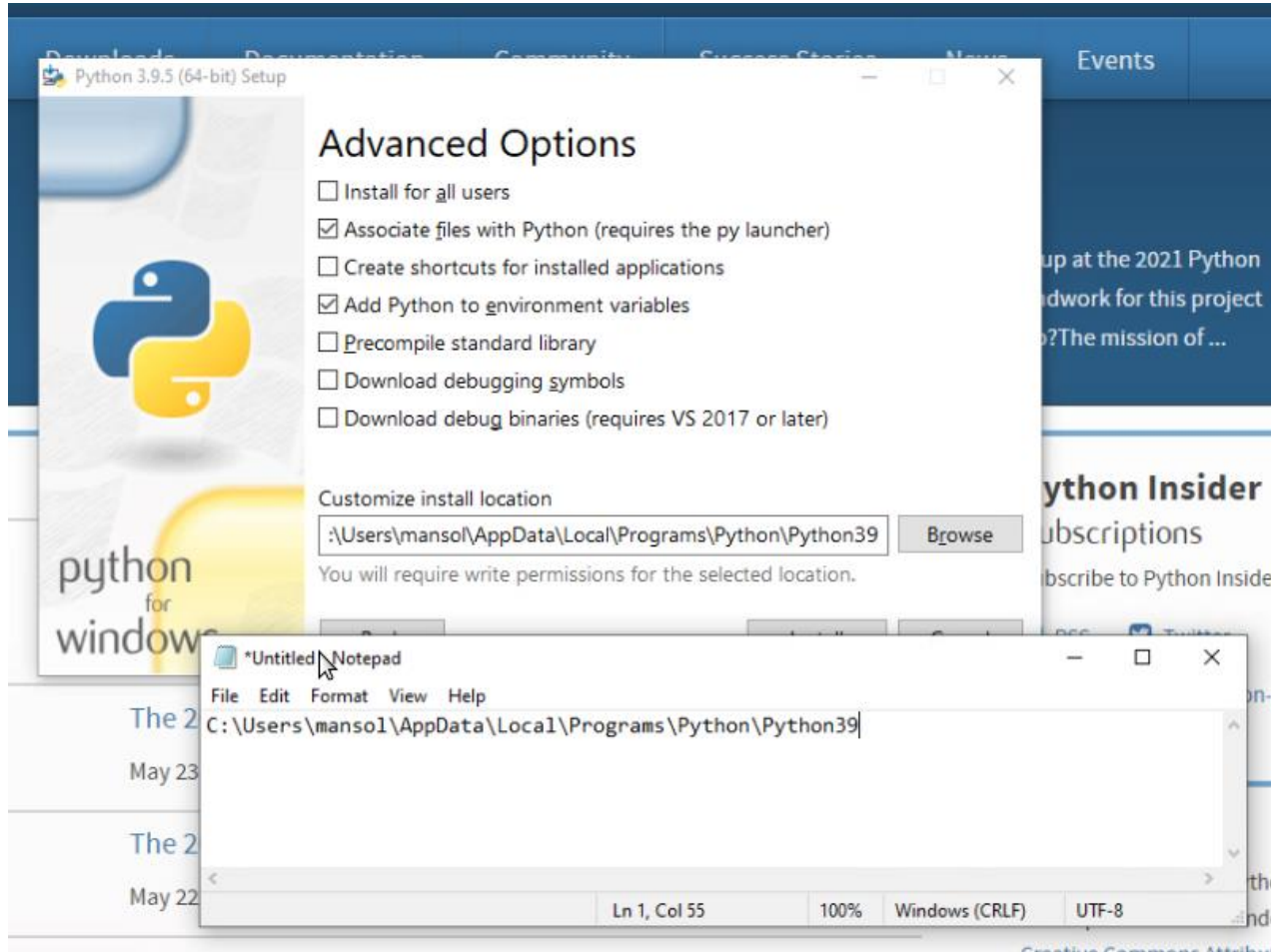


Uncheck "for all users" if you don't have permissions

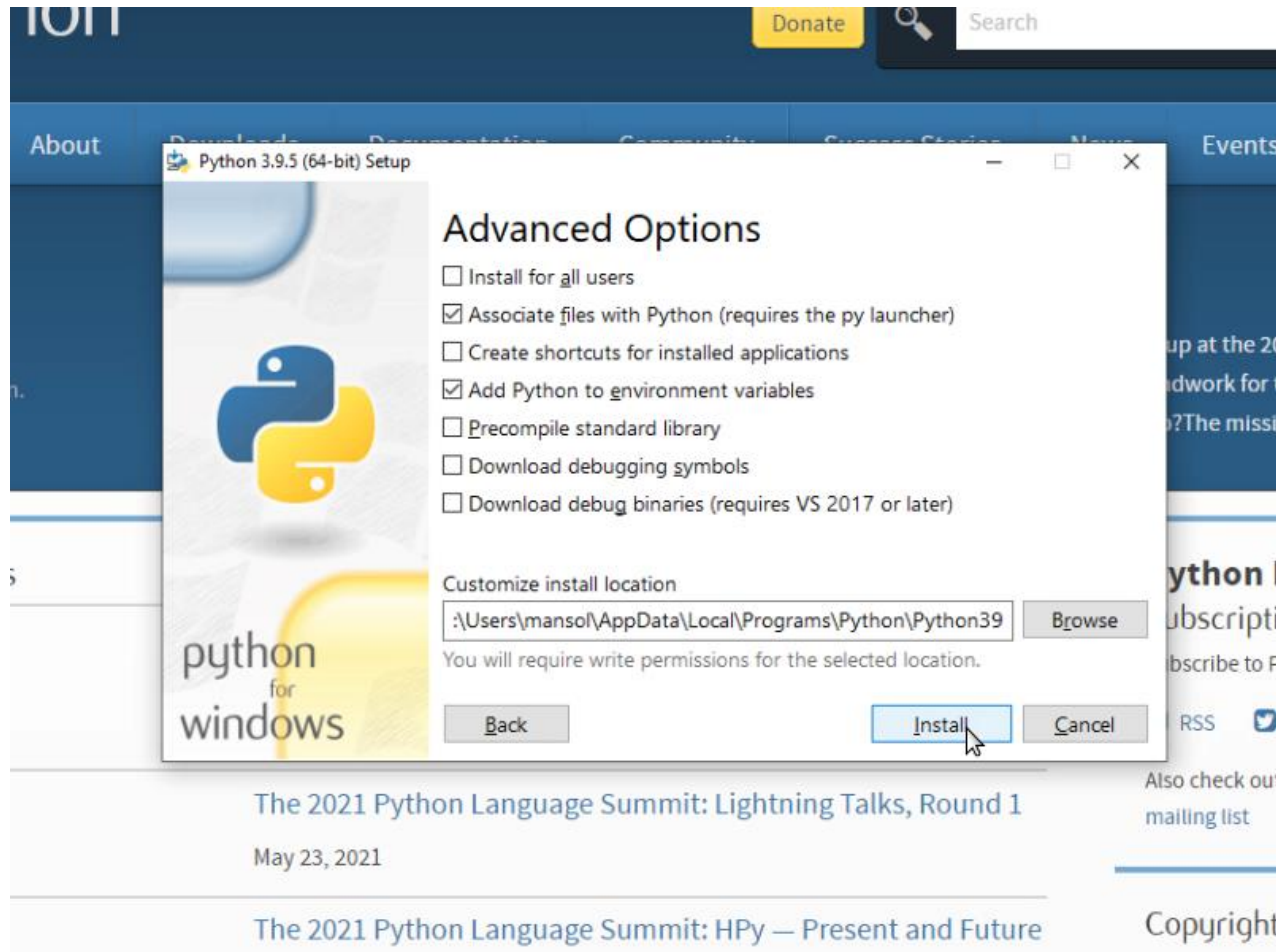
Installing Python



Installing Python



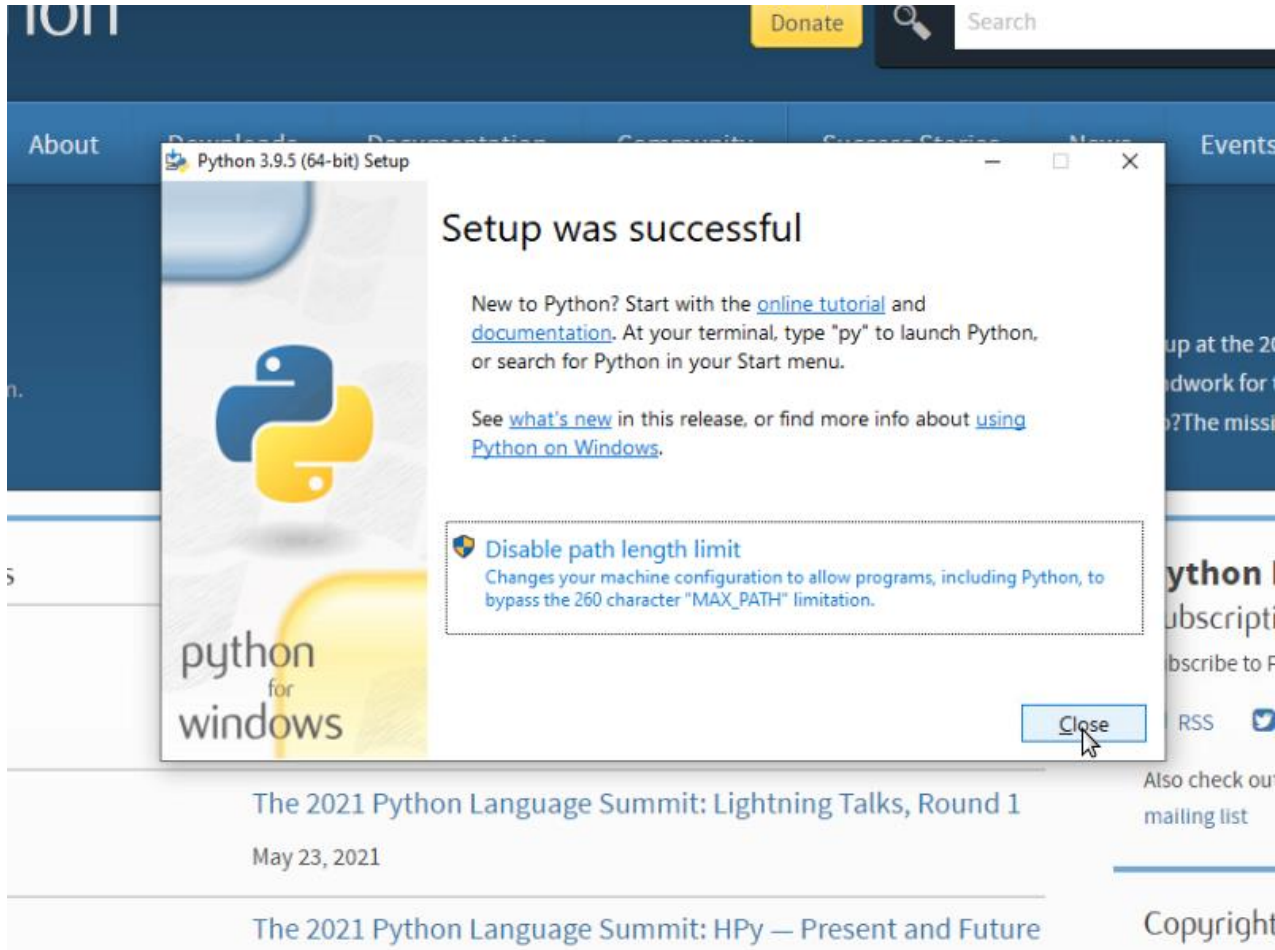
Installing Python



"Install for all users" should not be checked

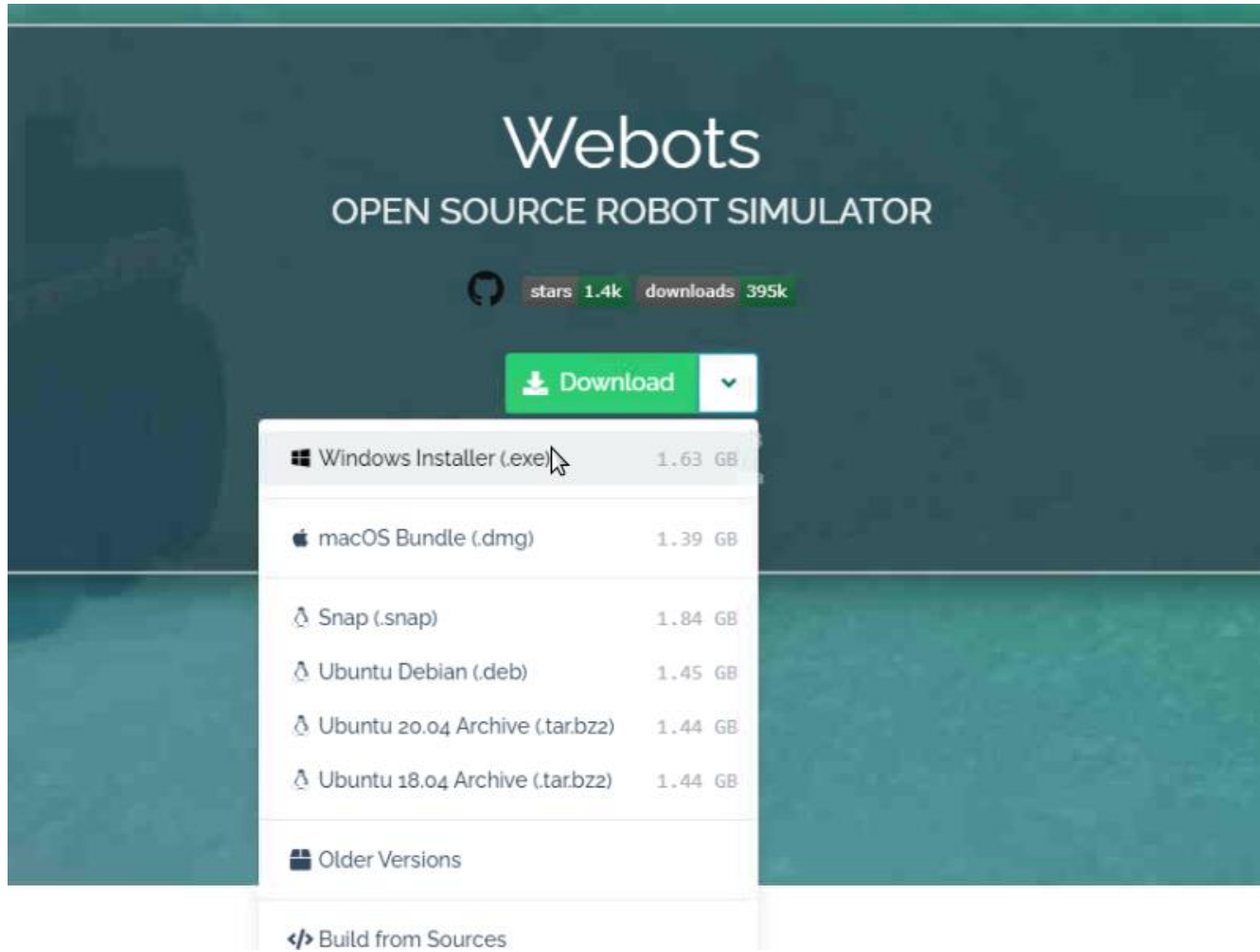
"Add Python to environment variables" should be checked

Installing Python

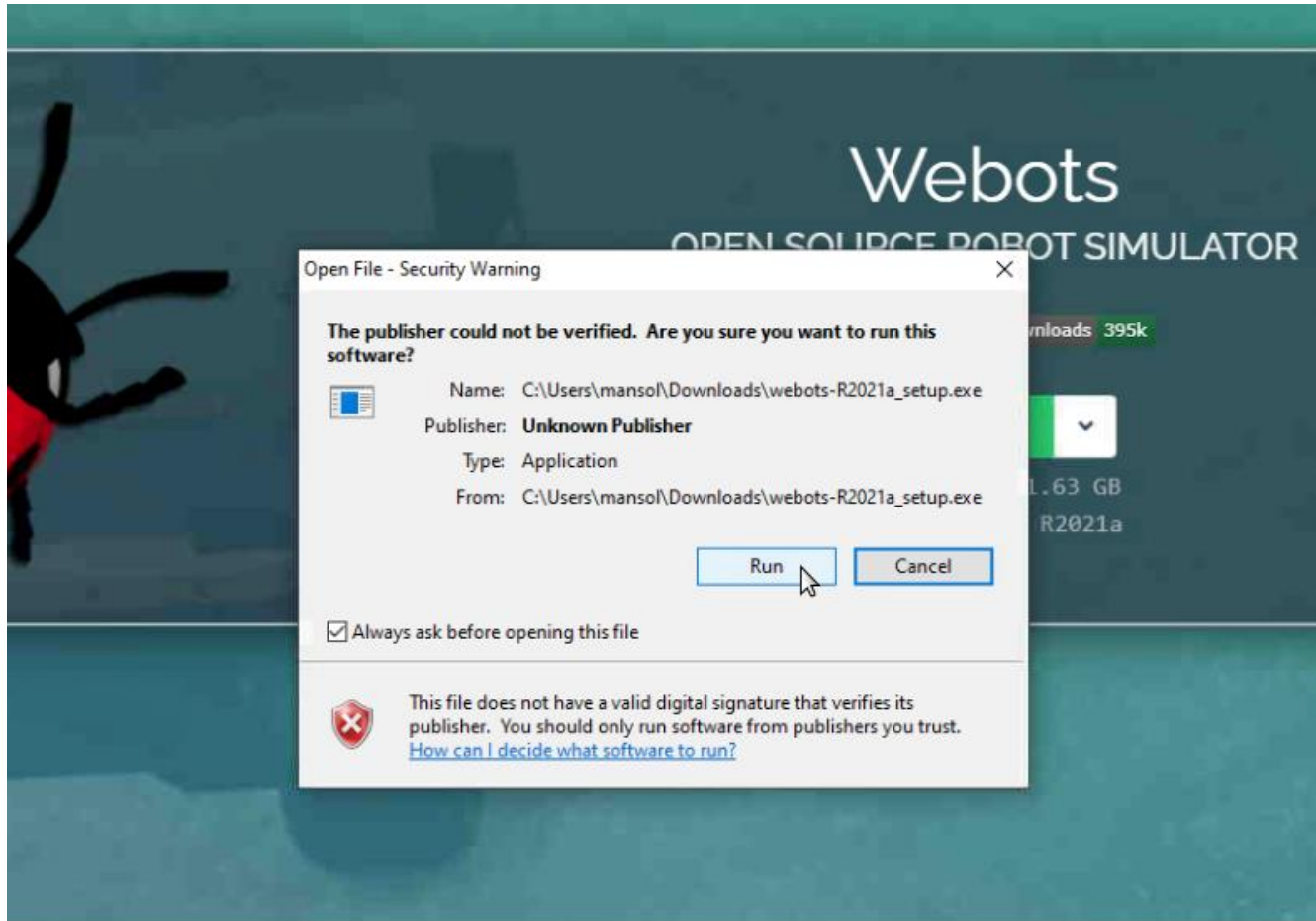


Python3 installation completed

Installing Webots

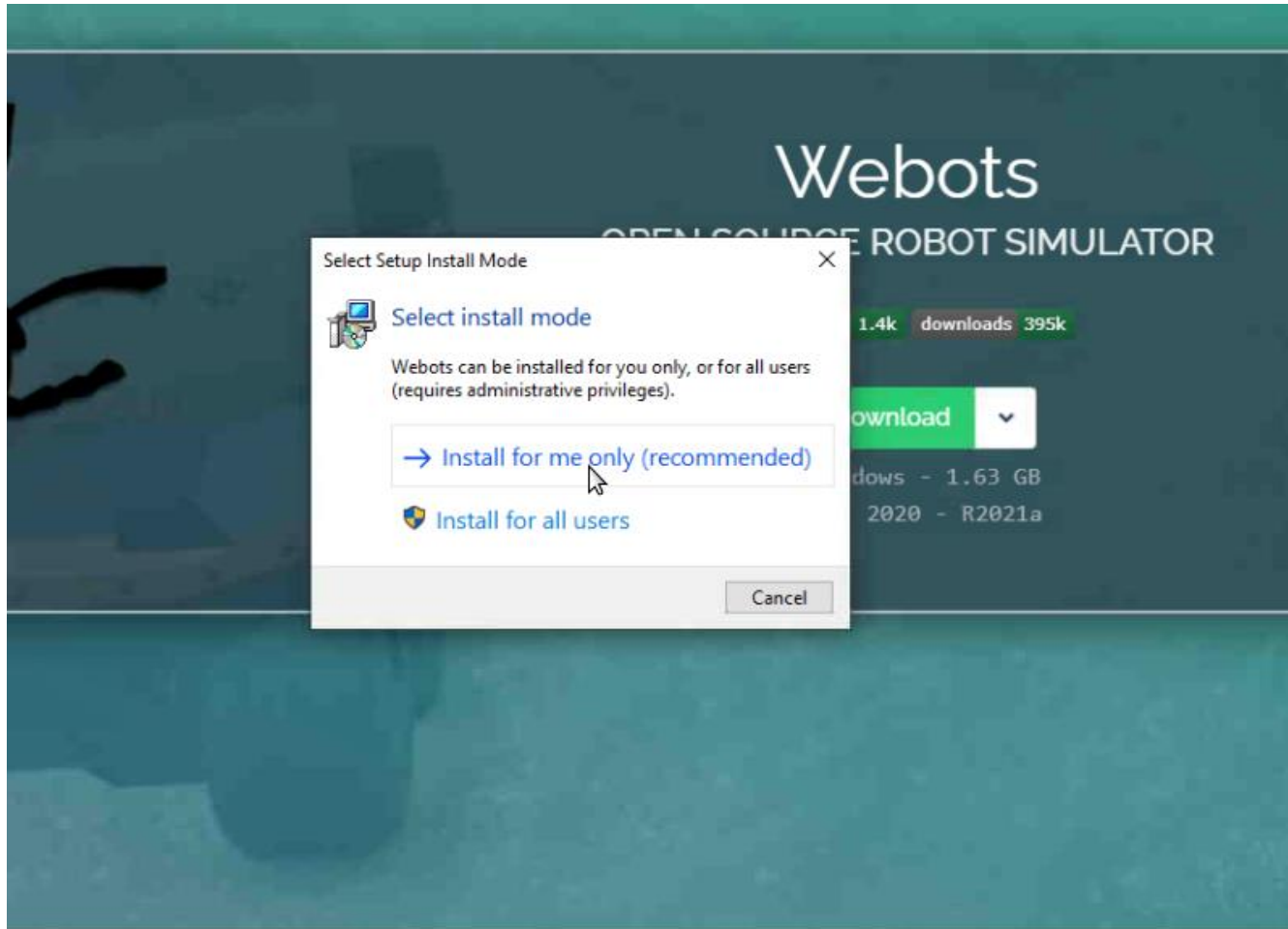


Installing Webots



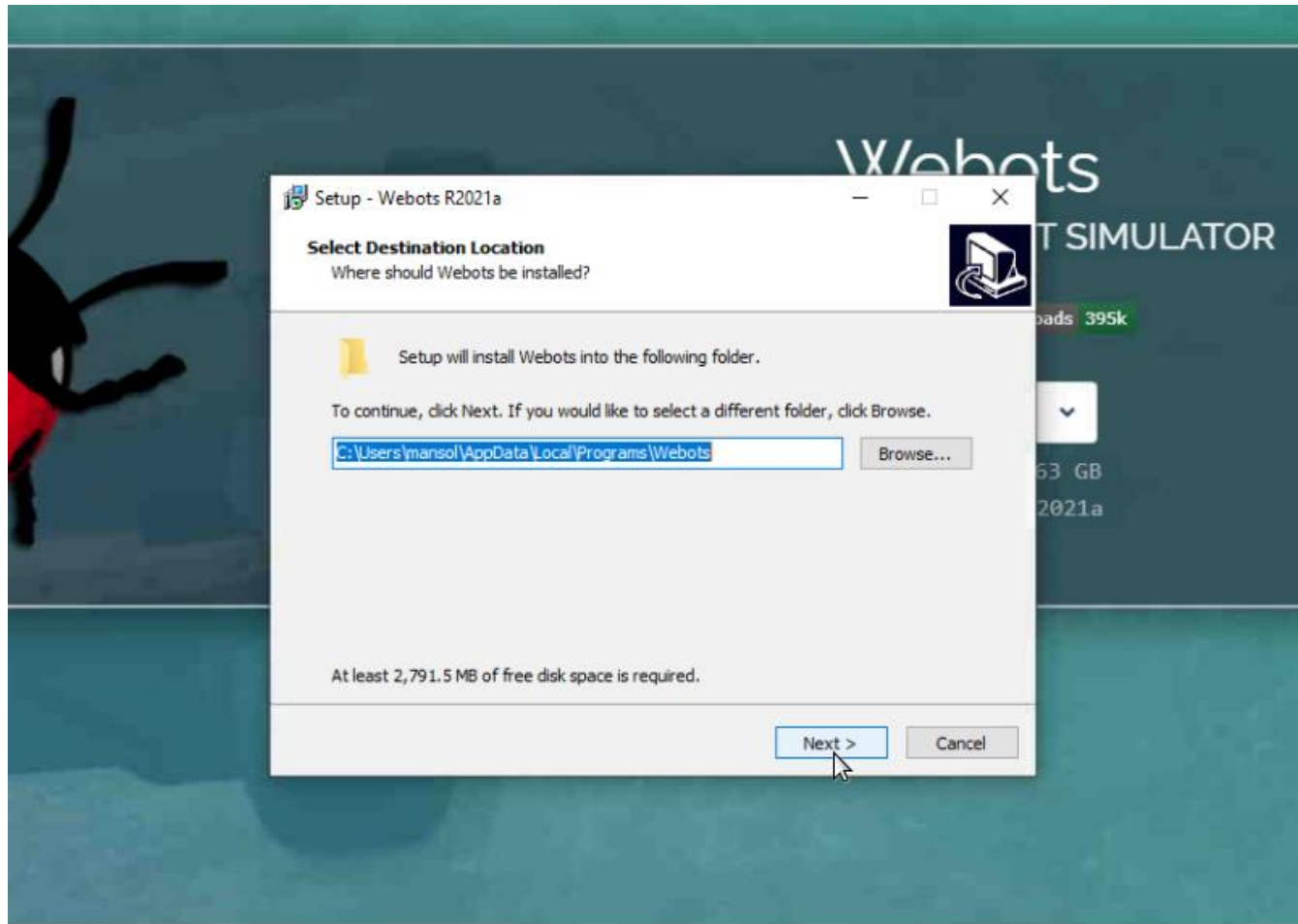
Run the installation wizard

Installing Webots



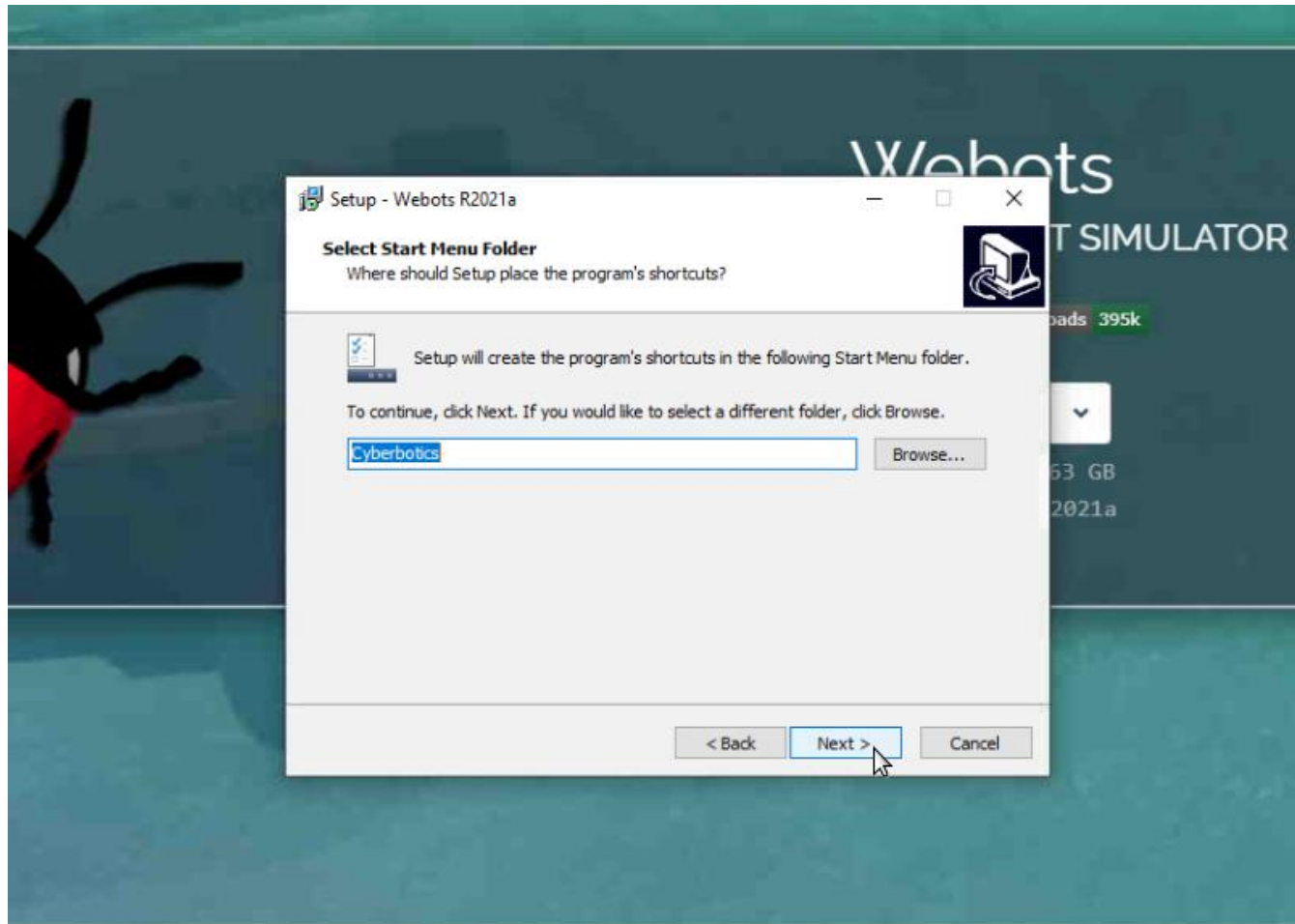
You can install for all users if you have permissions

Installing Webots



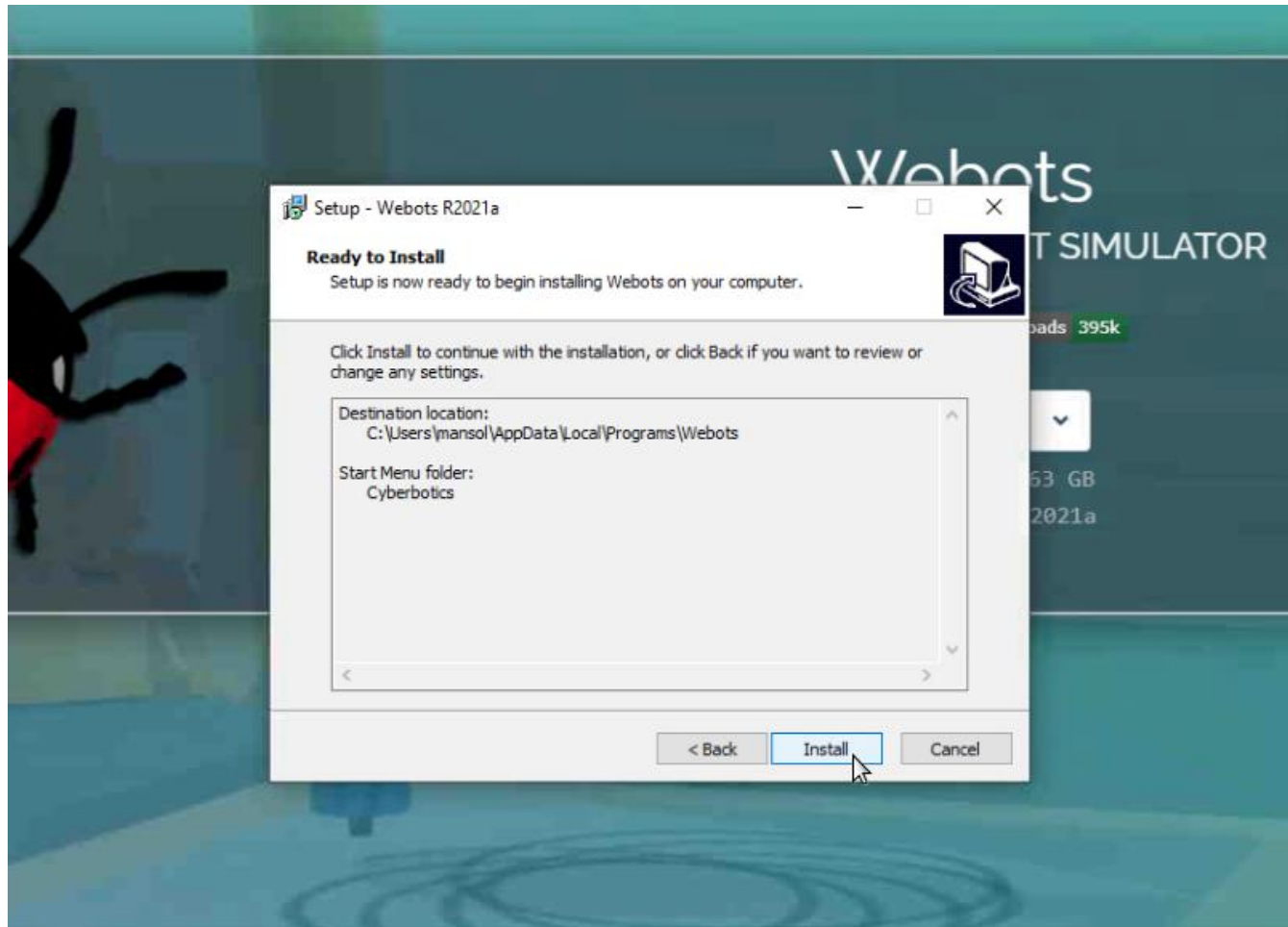
"Next" should be fine

Installing Webots



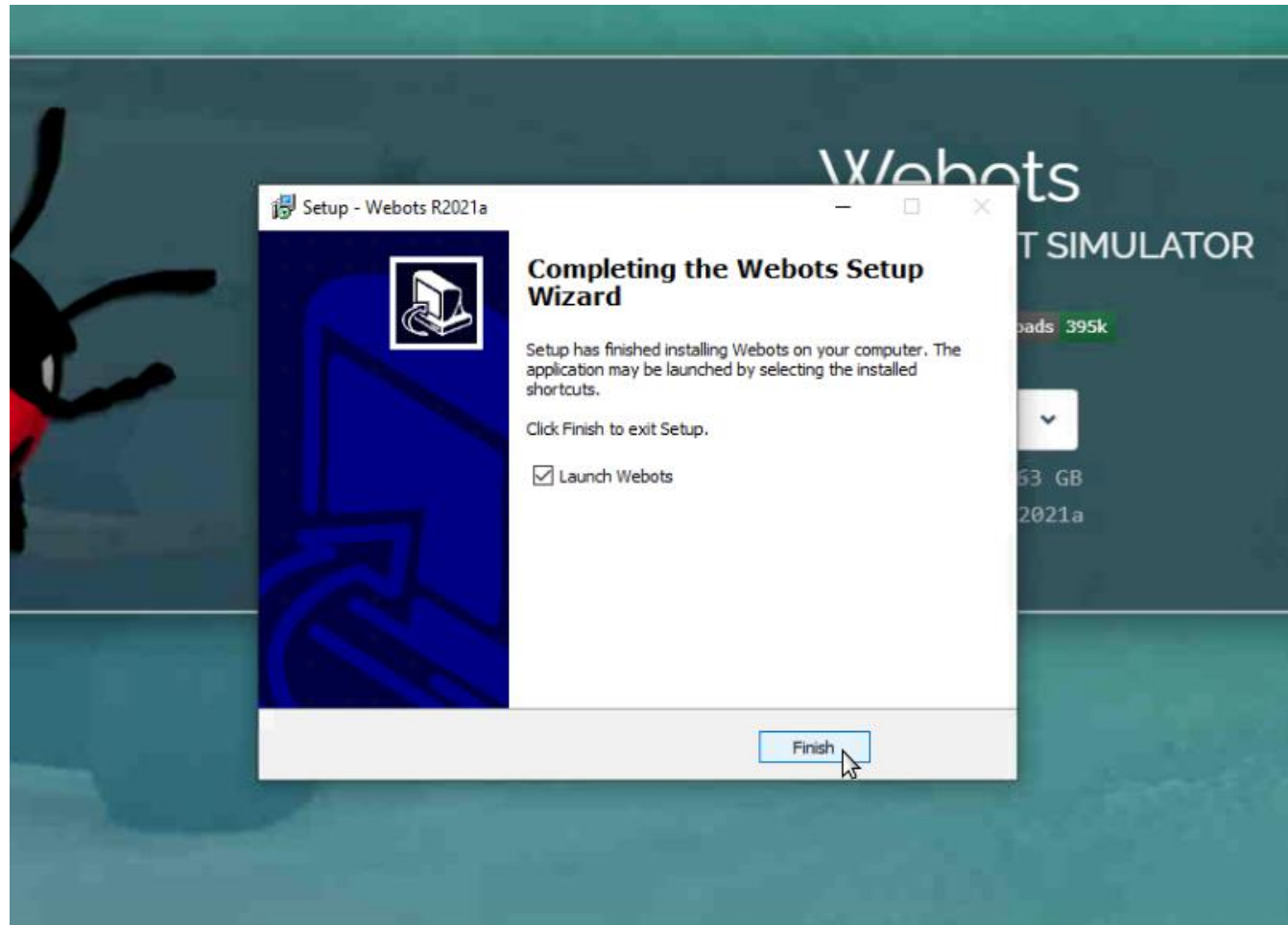
"Next" should be fine

Installing Webots

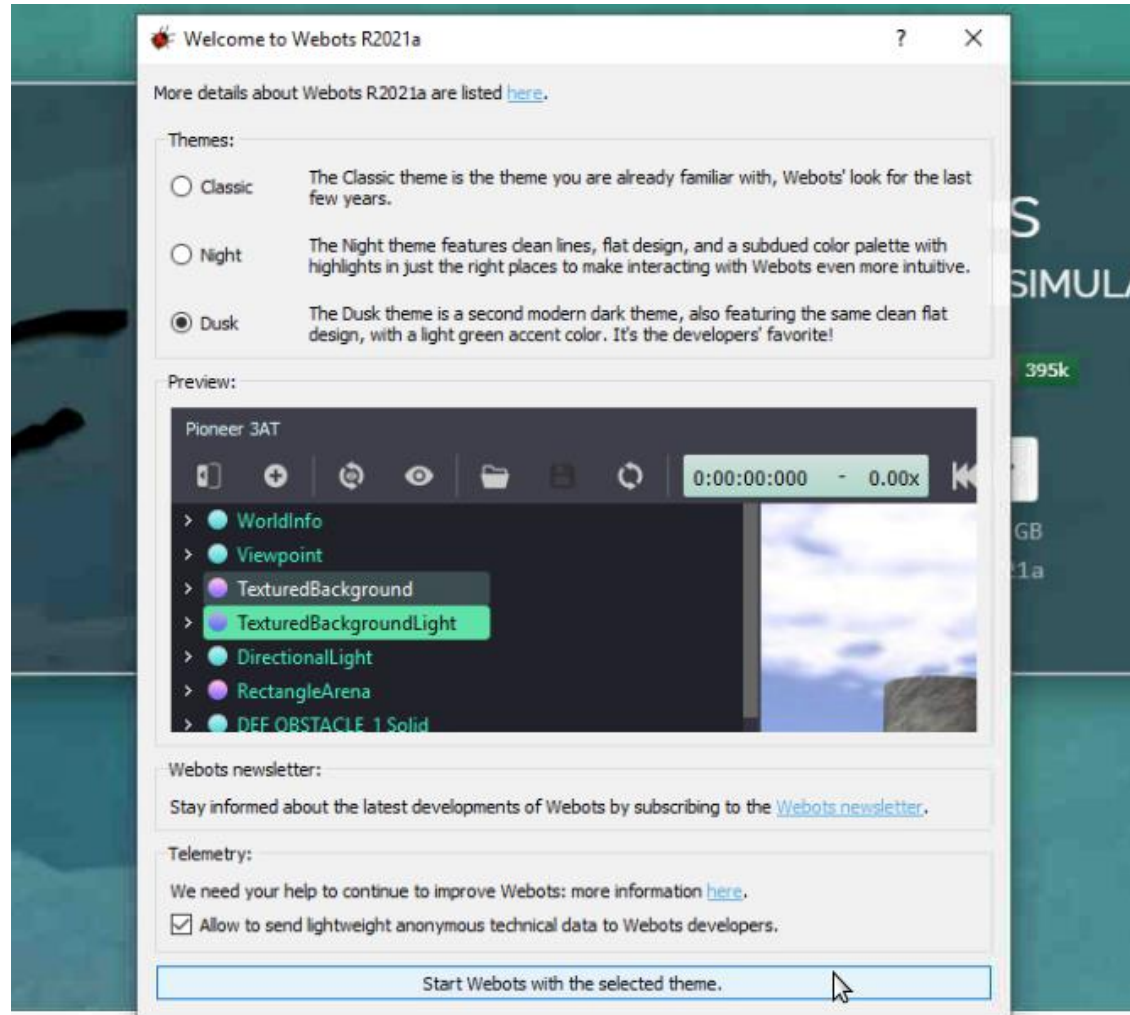


"Install"

Installing Webots

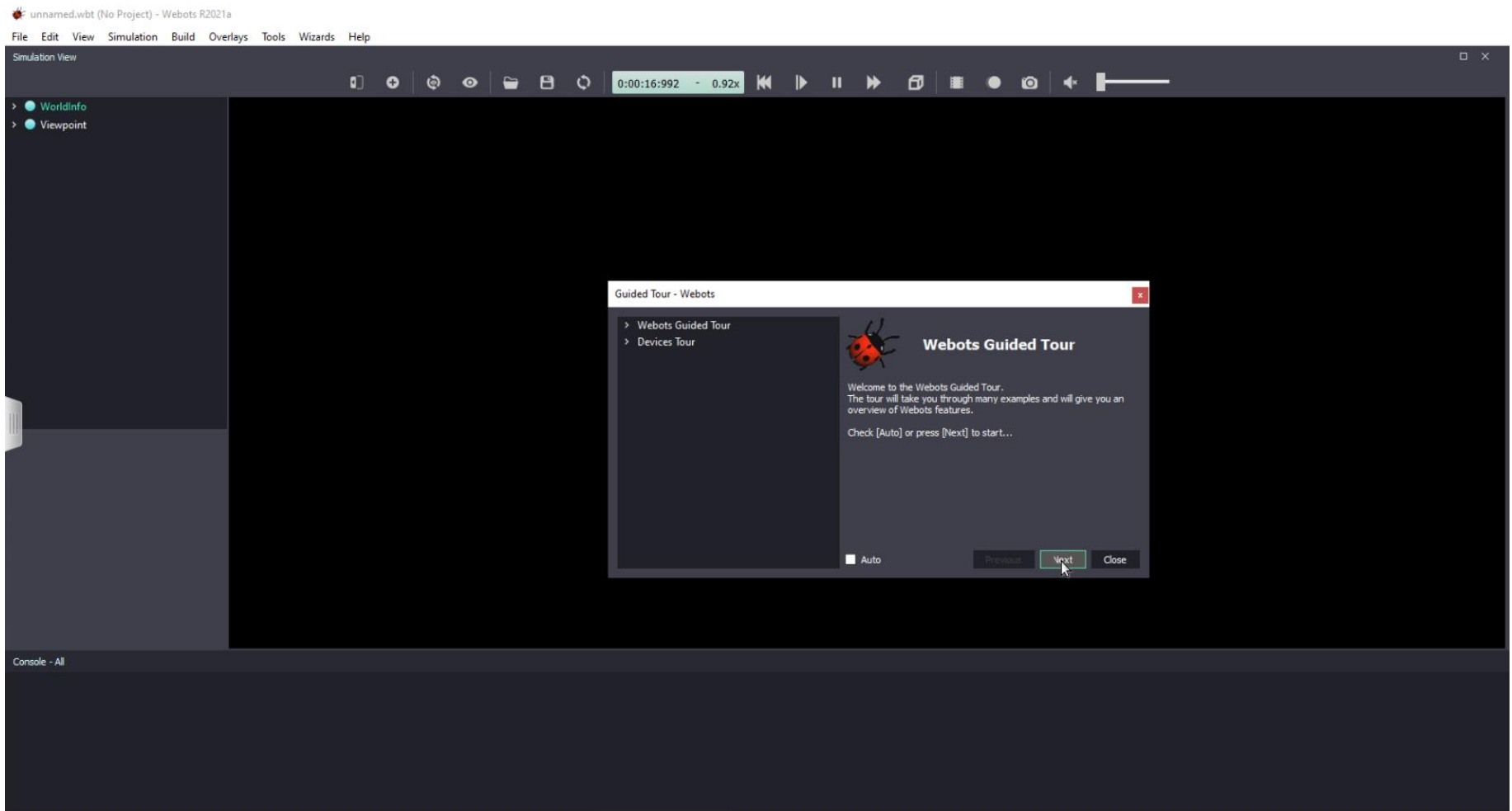


Installing Webots

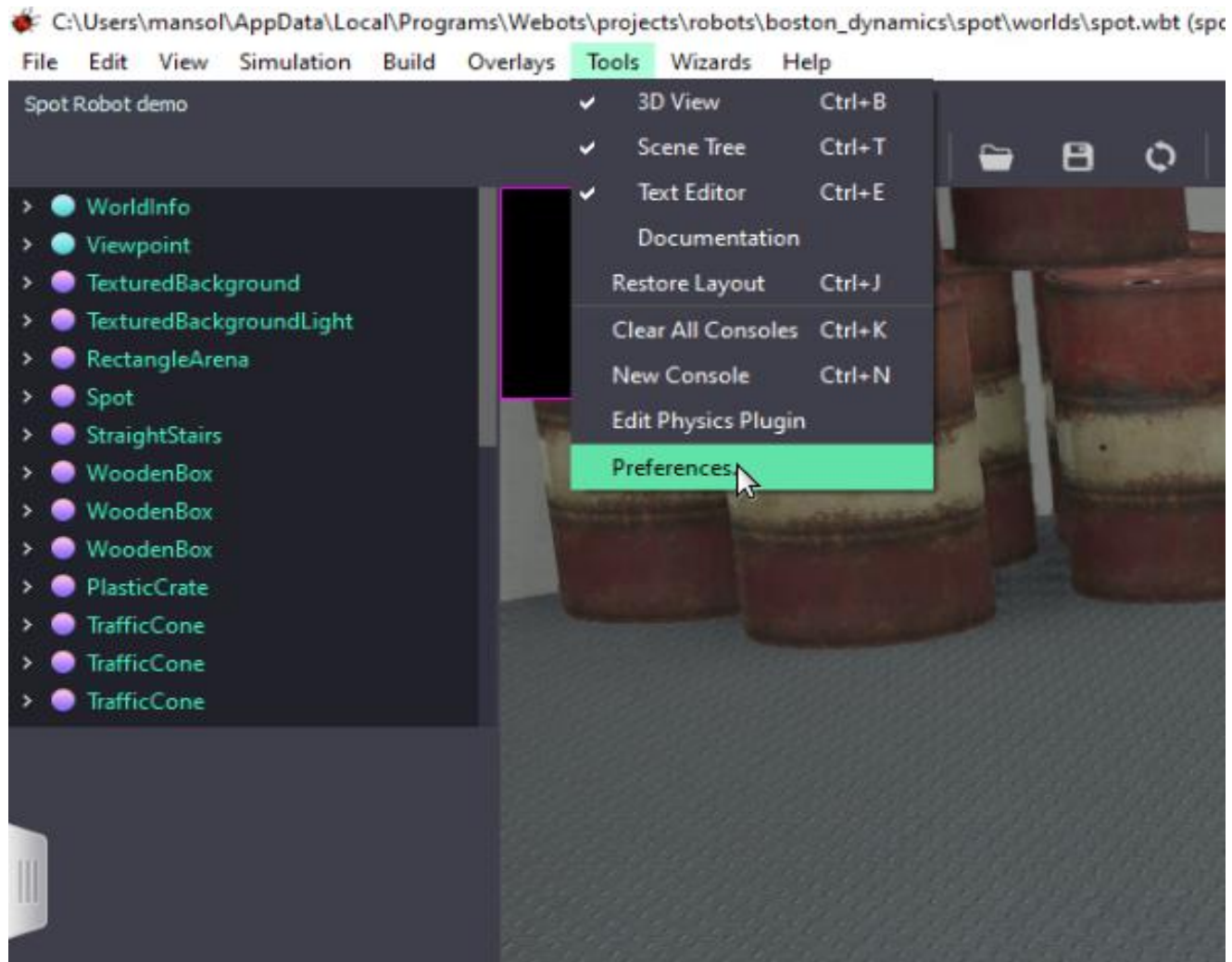


This is just to select the theme, not very relevant

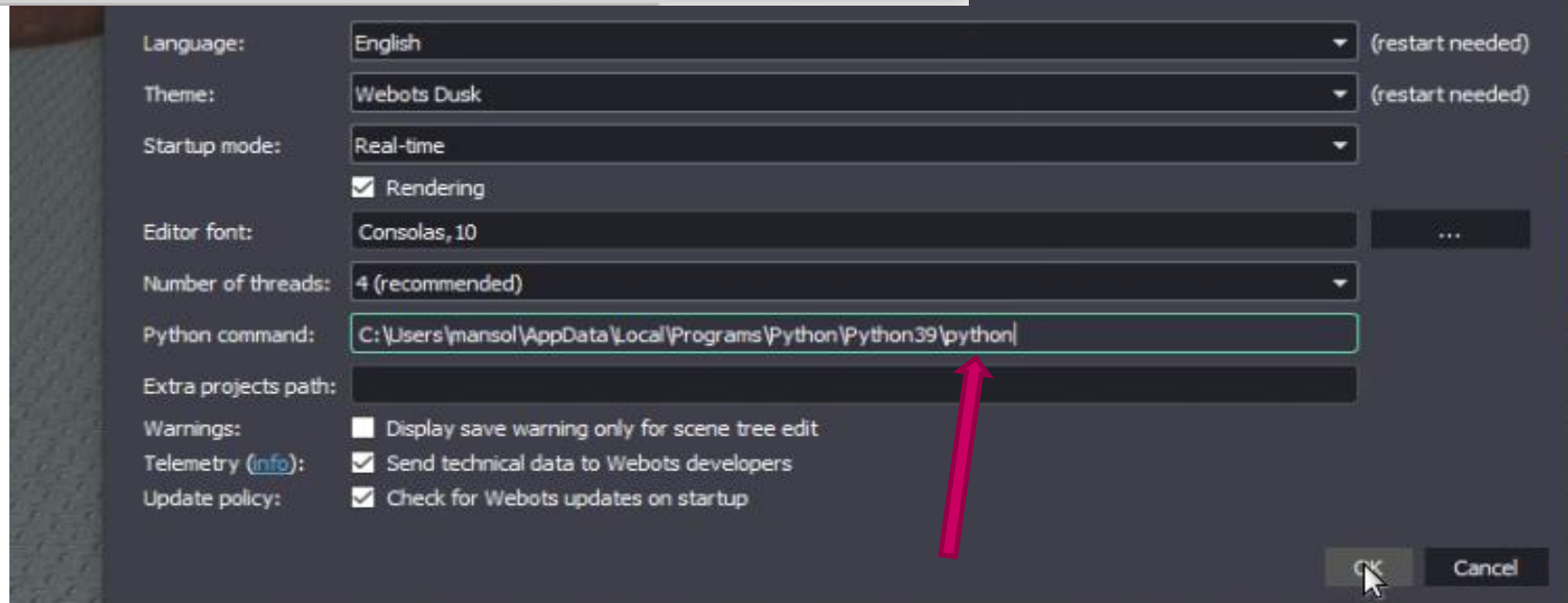
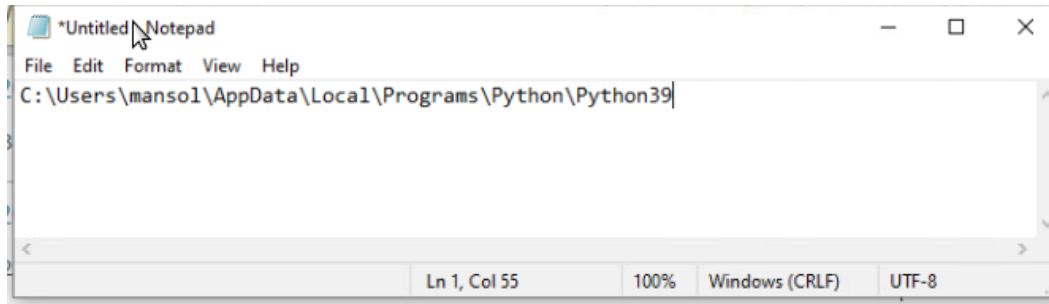
Installing Webots



Installing Webots



Installing Webots



Download our base project

https://github.com/ljmanso/engineering_live_robotics/raw/main/line_follower_base.zip

<https://bit.ly/3c8Yh7z>