



Google revit api documentation

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Revit API Docs
www.revitapidocs.com/ ▾
Online Documentation for Autodesk's **Revit API**: 2015, 2016, 2017.
2017 · 2016 · Python · 2015
You've visited this page many times. Last visit: 9/24/16

Autodesk - Autodesk Developer Network - Revit®
usa.autodesk.com/adsk/servlet/index?siteID=123112&id=2484975 ▾
The Software Development Toolkit (SDK) provides extensive .NET code samples and **documentation** to help you get started developing with the **Revit API**.
You've visited this page many times. Last visit: 1/30/17

Revit SDK, API Reference Documentation, Macro Samples | Revit ...
<https://knowledge.autodesk.com/.../revit.../Revit/.../GUID-D7E8694D-7DB3-41CA-A...> ▾
Apr 18, 2014 - The SDK includes the **Revit API** reference **documentation**, the full SDK API samples, and the **Revit** macro samples. The **Revit** SDK is available ...

Revit API Documentation Online - Autodesk Community - Autodesk Forums
forums.autodesk.com/Revit/API Forum ▾
Aug 11, 2016 - 10 posts
Since Google doesn't seem too excited to index my 60k+ page website, I wanted to share it here so people can find it and hopefully use it! :) It.

WHY

ONLINE
COMMUNITIES
+
OPEN SOURCE
PROJECTS





excel how to

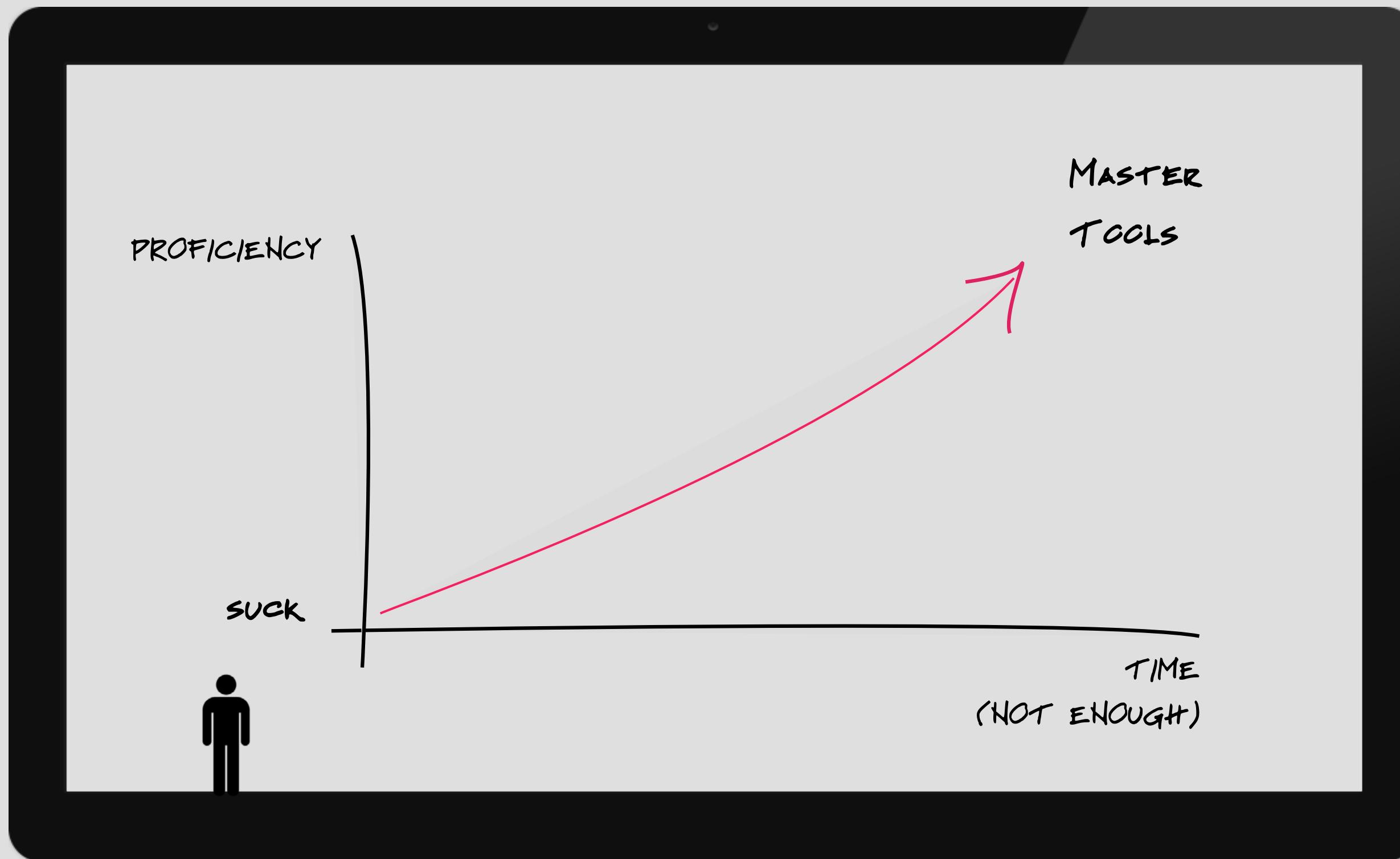
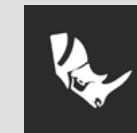
excel how to

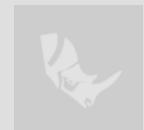
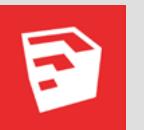
excel how to **create a drop down**

excel how to **freeze row**

excel how to **merge cells**

Press Enter to search.





MODELING + RENDERING

SKETCHUCATION.COM

sketchUcation

Community ■ Resources ■ Shop ■ Services ■ News ■ PluginStore

Board index | SketchUp Forums | SketchUp Pro & Make Discussions

Settings 0 messages Your posts Unread posts New posts Active topics

Mark subforums read

Forum	Topics	Posts	Last post
Newbie Forum The ideal place for beginners to get help using SketchUp	8241	55040	by cuttingedge ■ Mon Feb 06, 2017 6:07 am
Google Earth	215	1342	by Joseph EJC ■ Mon Dec 05, 2016 12:55 pm
Dynamic Components	613	3107	by SketchUcationKid ■ Mon Feb 06, 2017 10:50 am

Re: change location of the plugins folder in SU8

by gtalarico » Thu Jul 21, 2011 1:13 am

TIG: do you think that if I use a program such as grepWin to replace all "find_support_file" with "_File_" it will work? (I guess it won't work for the scrambled ones).

0

-Gui

<http://www.gtalarico.com>

Topics	Replies	Views	Last post
Issue Inferencing along the Green Axis...	16	248	by Wo3Dan ■

57K
+
DISCUSSIONS

MAXWELRENDER.COM

Maxwell Render | Official public forum
The official Maxwell Render public forum. A place to share your latest projects and be inspired by others, or get help and feedback from the Maxwell community.

Logout [gtalarico] 0 new messages
Last visit was: Thu Oct 22, 2015 1:23 am
View unanswered posts | View active topics

FAQ Search User Control Panel
It is currently Sat Jan 28, 2017 8:40 pm
View unread posts | View new posts | View your posts
All times are UTC - 5 hours [DST]

Board index

View your posts

gtalarico Post subject: Re: Advice on Interior Rendering

Ok, I am in the process of re-rendering it...
Now the problem is, the mxms look great in the preview and in my "test scene", but don't look nearly as good on the actual scene...

Here are two 2 examples.

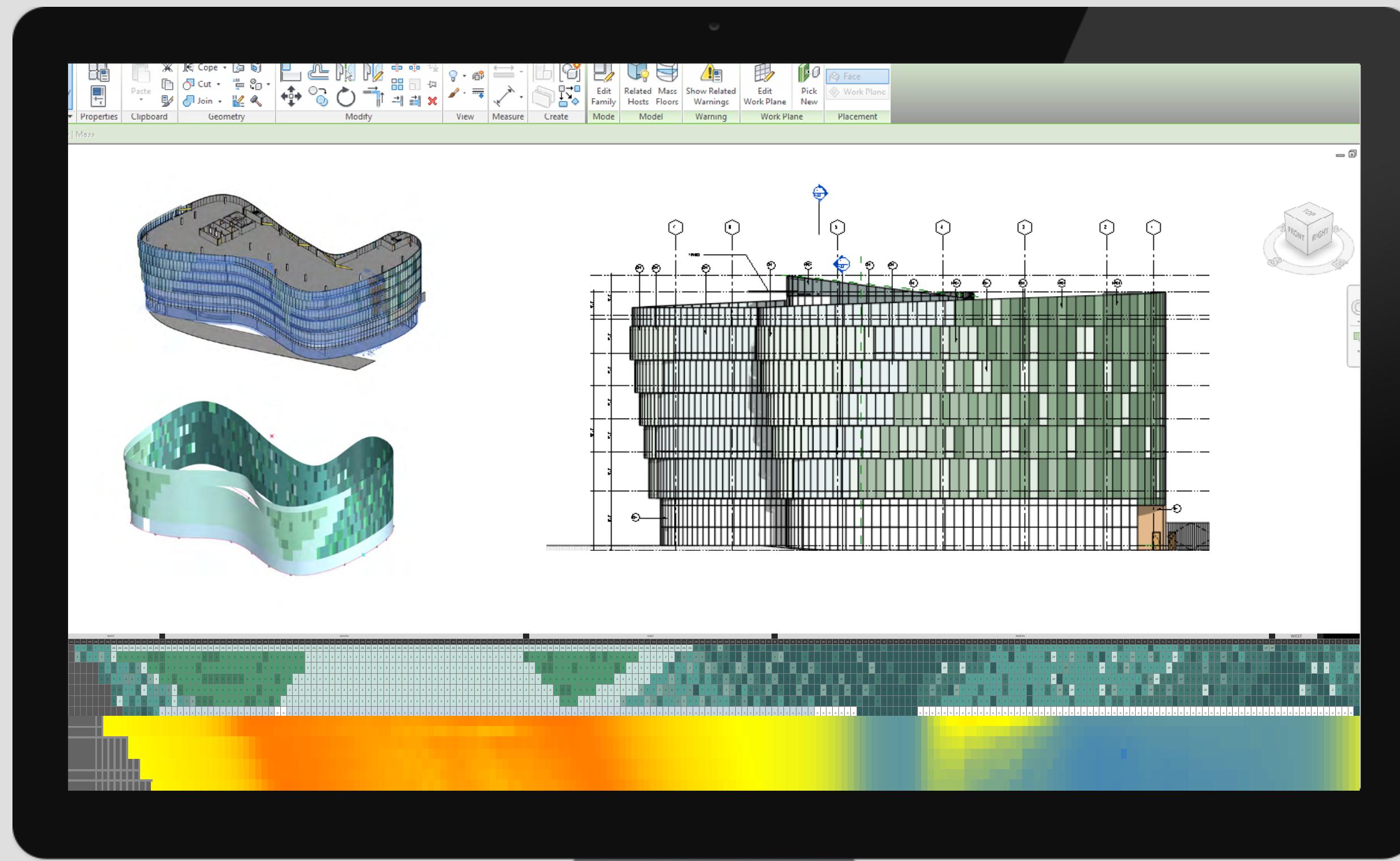
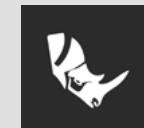
Wood & Carpet:

Joined: Sat May 30, 2009 7:57 pm
Posts: 106
Location: USA / Brazil

post

03, 2017 11 pm mac →
21, 2015 9 am ric →
21, 2014 9 pm ric →
09, 2014 15 am stor →
28, 2014 18 am ric →
26, 2014 0 pm ric →
02, 2013 7 am →
11, 2013 3 pm ric →
15, 2012 15 am urb →
28, 2012 1 am ill →
15, 2012 2 pm ric →
26, 2012 14 pm ric →
Wed Jun 20, 2012 1:57 pm gtalarico →
Thu Jun 14, 2012 12:05 pm fv →

33K + DISCUSSIONS



BIM + COMPUTATIONAL

GRASSHOPPER3D.COM

The screenshot shows the Grasshopper3d.com website interface. At the top, there's a navigation bar with links: Home, View, Get, Learn, Talk (which is currently selected), Attend, and My Page. Below the navigation, there are links for All Discussions and My Discussions. A sidebar on the right shows a profile for 'Gui Talarico' with options to +Add, Sign Out, and view Inbox, Alerts, and Friends.

The main area displays a discussion titled 'My Discussions (162)'. On the left, there's a search bar labeled 'Search by This Author' and a list of discussions replied to. The first few entries are:

- "Some of the other videos look cool too.I asked the author I will let you know if I..." - You replied Jul 13, 2016 to [Cycles' Components](#)
- "Hi Max. I didn't work out the entire thing, but if I understand you correctly, you c..." - You replied Jul 13, 2016 to [Crone intersection and union problem](#)
- "Hi Max - You said "merge/join" 2 lines, but in reality you have a few dozen lines...." - You replied Jan 14, 2016 to [Join Overlapping Lines?](#)
- "Can you post an image/file? Lines or curves? One way is to find the intersection, tr..." - You replied Jan 14, 2016 to [Join Overlapping Lines?](#)
- "I solved it by getting the end points of extended segments and checking for inclusio..." - You replied Dec 7, 2015 to [Angle between Vectors - Positive and negative?](#)
- "You are welcome. If you want to have more control over final diameters of each circl..." - You replied Dec 4, 2015 to [Image Sampler Issues](#)

On the right side of the screen, there's a detailed view of a Grasshopper script. The script uses various components like 'Offset Plane Curve', 'Boolean Union', and 'Inset Path of Trim'. It's visualizing a complex geometric model with many curves and surfaces. A callout box highlights a specific part of the script with the following text:

the cause of your problem has to do with when you offset the curves.
Some of them are offsetting outwards
the offset component is not always predictable.
(notice as you change some of the inputs, some of the curves offset in the wrong)

There are two easy fixes:
1. try to control the offset plane of each curve by specifying an offset plane for each (see solution below)

24K + DISCUSSIONS

DYNAMOBIM.COM

The screenshot shows the profile page for a user named Gui_Talarico on the DYNAMOBIM.COM forum. The page includes a summary of activity, top replies, top topics, and links.

Summary:

- 96 days visited
- 13h read time
- 1.2k posts read
- 20 ❤ given
- 1 bookmark
- 10 topics created
- 92 posts created
- 61 ❤ received

TOP REPLIES:

- 10d · ❤ 6 Revit API & python relations
- Nov '16 · ❤ 5 How can show Dialog value by Dy
- Nov '16 · ❤ 4 Different ways of getting element I
- 3d · ❤ 4 Calling ctypes to create a custom
- Nov '16 · ❤ 3 Prompt user for a string
- Nov '16 · ❤ 3 Get FamilySymbol's name (Family Type Name)

TOP TOPICS:

- Jul '16 · ❤ 6 Revit API Documentation

Post Preview:

Gui_Talarico (@JacobSmall) · 3 4d
Dynamo does not include the default python/ironpython library into the script context (path)
Just add it yourself:

```
import sys
sys.path.append(r'C:\Program Files (x86)\IronPython 2.7\Lib')
import ctypes
```

Links:

- TOP LINKS
- MOST REPLIED TO

7K
+
DISCUSSIONS

DYNAMOBIM.COM

The screenshot shows the homepage of the Dynamo Package Manager. At the top, there are navigation links for "Browse" and "Search". Below that is the title "Dynamo Package Manager" with a logo consisting of colored dots. A subtitle reads "Share and discover workflows for Dynamo visual programming". Key statistics are displayed: 441972 installs, 1001 packages, and 309 authors. The main content area is divided into sections for "Packages" and "Authors".

Packages

Newest	Most Recently Updated	Most Installed	Most Depended Upon
SeparateBeamsAndColu...	SeparateBeamsAndColu...	LunchBox for Dynamo	LunchBox for Dynamo
test20	8 hours ago	RoofGenerator	Clockwork for Dynamo 0...
Custom Filter 112124	3 days ago	test20	archi-lab.net
VectorsAtPoints	6 days ago	DynamoPDF	Clockwork for Dynamo 0....
TNPM2	6 days ago	archi-lab.net	spring nodes
ORUG2017	2 weeks ago	MEPover	Rhythym
testHI	2 weeks ago	Ampersand	Evaluate Sun Directness -...
ByStartPointDirectionDist...	2 weeks ago	Regnstrom	SteamNodes
			Rhythym
			Clockwork for Dynamo 0....
			spring nodes

Authors

Most Voted For	Most Recently Active	Most Prolific	Most Installed
mdengusiak	18	bimstalcom	3 days ago
andydandy	10	colin.mccrone	3 days ago
		andydandy	139
		monika_prabhu	42
		archinate	94488
			64794

1K
+ FREE PLUGINS



The screenshot shows a GitHub repository interface for the `PyRevitPlus` extension. The repository structure is visible on the left, showing files like `pyRevitPlus.tab`, `script.py`, and `core.py`. The main area displays two Python scripts: `script.py` and `core.py`.

script.py — Paste VP Placement.pushbutton

```
"""
Copyright (c) 2016 Gui Talarico @ WeWork
Paste Viewport Placement
Paste the placement of viewports
github.com/gtalarico | @gtalarico

-----
pyRevit Notice:
pyRevit: repository at https://github.com/eirannejad/pyRevit

"""

__doc__ = 'Paste a Viewport Placement from memory'
__author__ = '@gtalarico'
__version__ = '0.2.0'
__title__ = "Paste VP\nPlacement"

import os
import pickle
from tempfile import gettempdir

import rpw
from rpw import doc, uidoc, DB, UI
from viewport_wrapper import Point, ViewPortWrapper

tmpfile = os.path.join(gettempdir(), 'ViewPlacement')
selection = rpw.Selection()

if __name__ == '__main__':
    if len(selection) == 1 and isinstance(selection[0], DB.Viewport):
        viewport = selection[0]
        try:
            with open(tmpfile, 'rb') as fp:
                pt = pickle.load(fp)
        except IOError:
            UI.TaskDialog.Show('pyRevitPlus', 'Could not find saved viewport placement.\nCopy a Viewport and paste it here')
        else:
            saved_pt = DB.XYZ(pt.X, pt.Y, pt.Z)

            vp = ViewPortWrapper(viewport)
            current_origin = vp.project_origin_in_sheetspace
            delta = saved_pt - current_origin
            if viewport.Pinned:
                with rpw.Transaction('Unpin Viewport'):
                    viewport.Pinned = False
            with rpw.Transaction('Paste Viewport Placement'):
                viewport.Location.Move(delta)
                viewport.Pinned = True
                viewport = rpw.Element(viewport)
            try:
                # TODO: Make these optional
                viewport.parameters.builtins['VIEWER_CROP_REGION_VISIBLE'] = 0
                viewport.parameters.builtins['VTFWR_ANNOTATION_CROP_ACTTVE'] = 0
                viewport.parameters.builtins['VIEWER_CROP_REGION'] = 1
            except:
                pass
    else:
        UI.TaskDialog.Show('pyRevitPlus', 'Selected item is not a Viewport')

```

core.py

```
"""
Smart Align
Provides Aligning functionality for various Revit Objects.
TESTED REVIT API: 2015 | 2016

Copyright (c) 2014-2016 Gui Talarico
github.com/gtalarico | @gtalarico

This script is part of PyRevitPlus: Extensions for PyRevit
github.com/gtalarico | @gtalarico

-----
PyRevit Notice:
Copyright (c) 2014-2016 Ehsan Iran-Nejad
pyRevit: repository at https://github.com/eirannejad/pyRevit

"""

__author__ = '@gtalarico'
__version__ = '0.4.0'

import sys
import logging

from Autodesk.Revit.DB import XYZ
from Autodesk.Revit.DB import Transaction

doc = __revit__.ActiveUIDocument.Document
uidoc = __revit__.ActiveUIDocument

VERBOSE = True # True to Keep Window Open
VERBOSE = False

LOG_LEVEL = logging.ERROR
LOG_LEVEL = logging.INFO
if VERBOSE:
    LOG_LEVEL = logging.DEBUG
logging.basicConfig(level=LOG_LEVEL)
logger = logging.getLogger('SmartAlign')

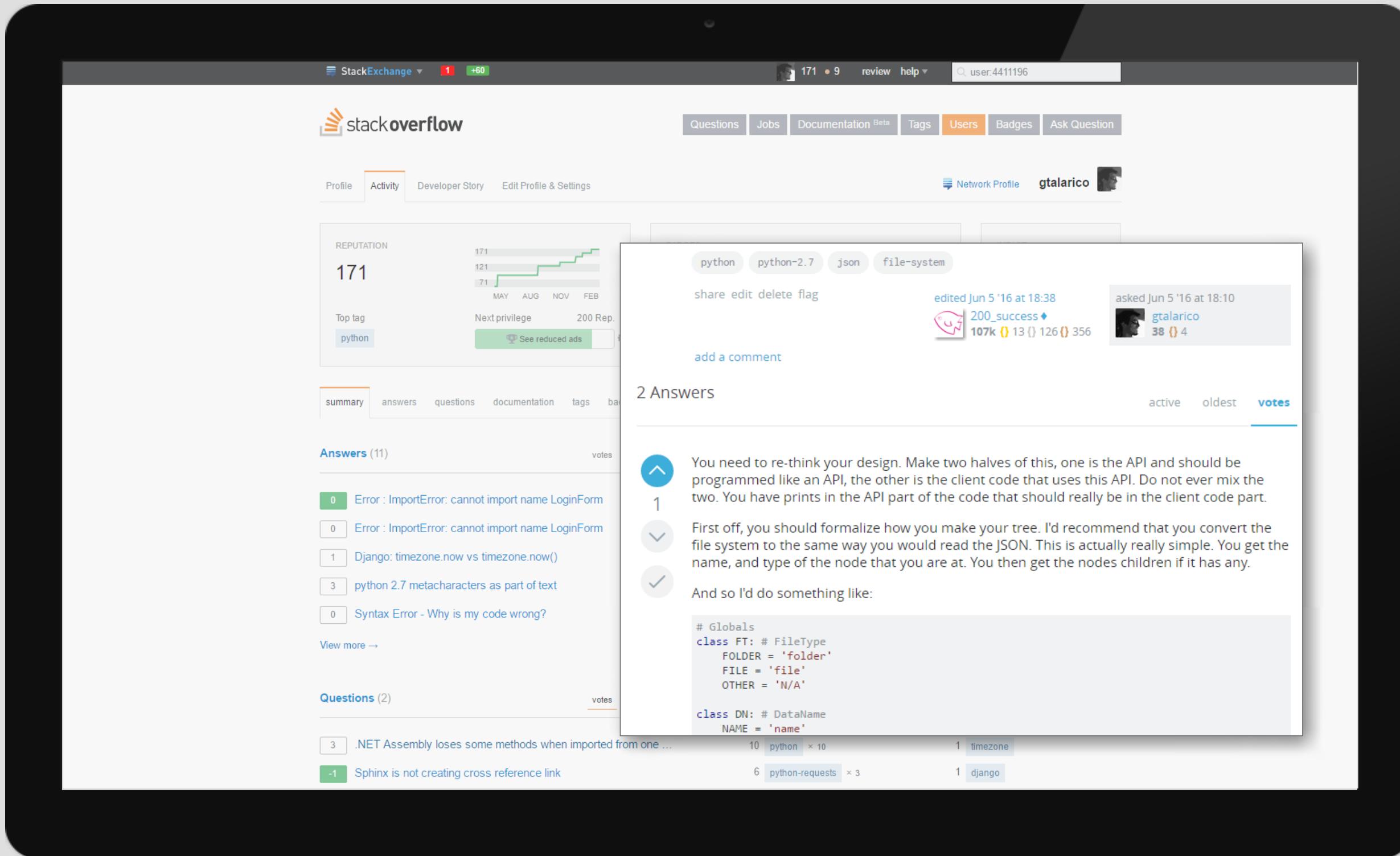
TOLERANCE = 0.000001

class Align(object):
    """ Align Class.
    This class defines the name, location method, and axis for each alignment type
    TO DO:
    + Use class instantiation
    + Refactor Name Just > Alignment
    alignment = Align('HCENTER')
    alignment.axis # returns x or y
    alignment.method # returns min, max, average
    """

    VCENTER = 'Vertical Center'
    VTOP = 'Vertical Top'
    VBOTTOM = 'Vertical Bottom'
    HCENTER = 'Horizontal Center'
```

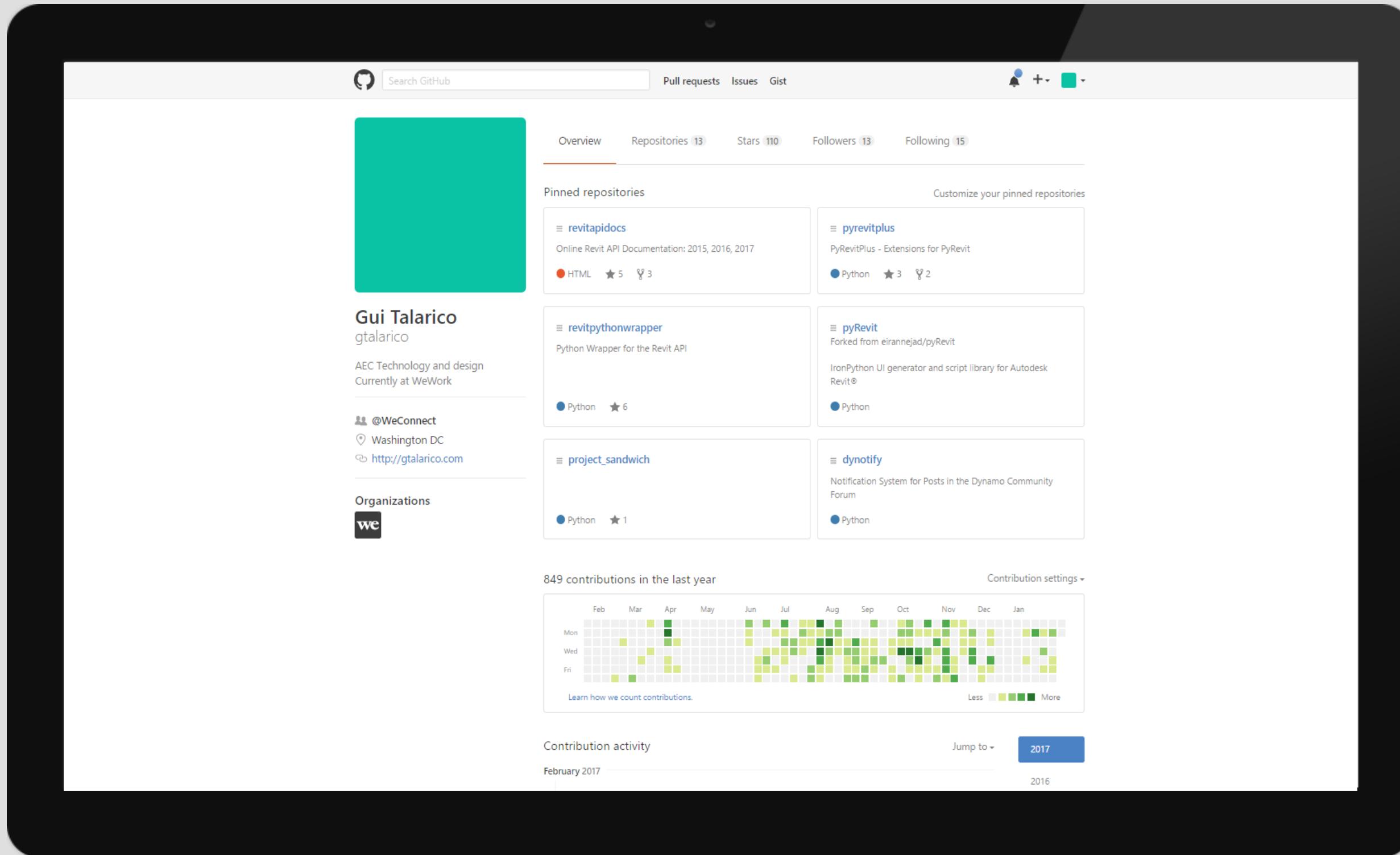
File 12 Project 12 12 Issues + × pyRevitPlus.tab\Smart Align.panel\smaralign.stack3\Lib\smaralign\core.py 11:1 CRLF ▲ 7 deprecations UTF-8 Python master

STACKOVERFLOW.COM



3.9M
DISCUSSIONS

GITHUB.COM

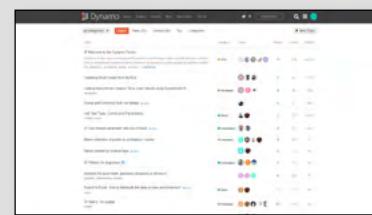


52M OPEN SOURCE

ONLINE COMMUNITIES

GET

- ✓ ADVICE
- ✓ ANSWERS
- ✓ CUSTOM TOOLS
- ✓ EXAMPLES
- ✓ TUTORIALS



ONLINE COMMUNITIES

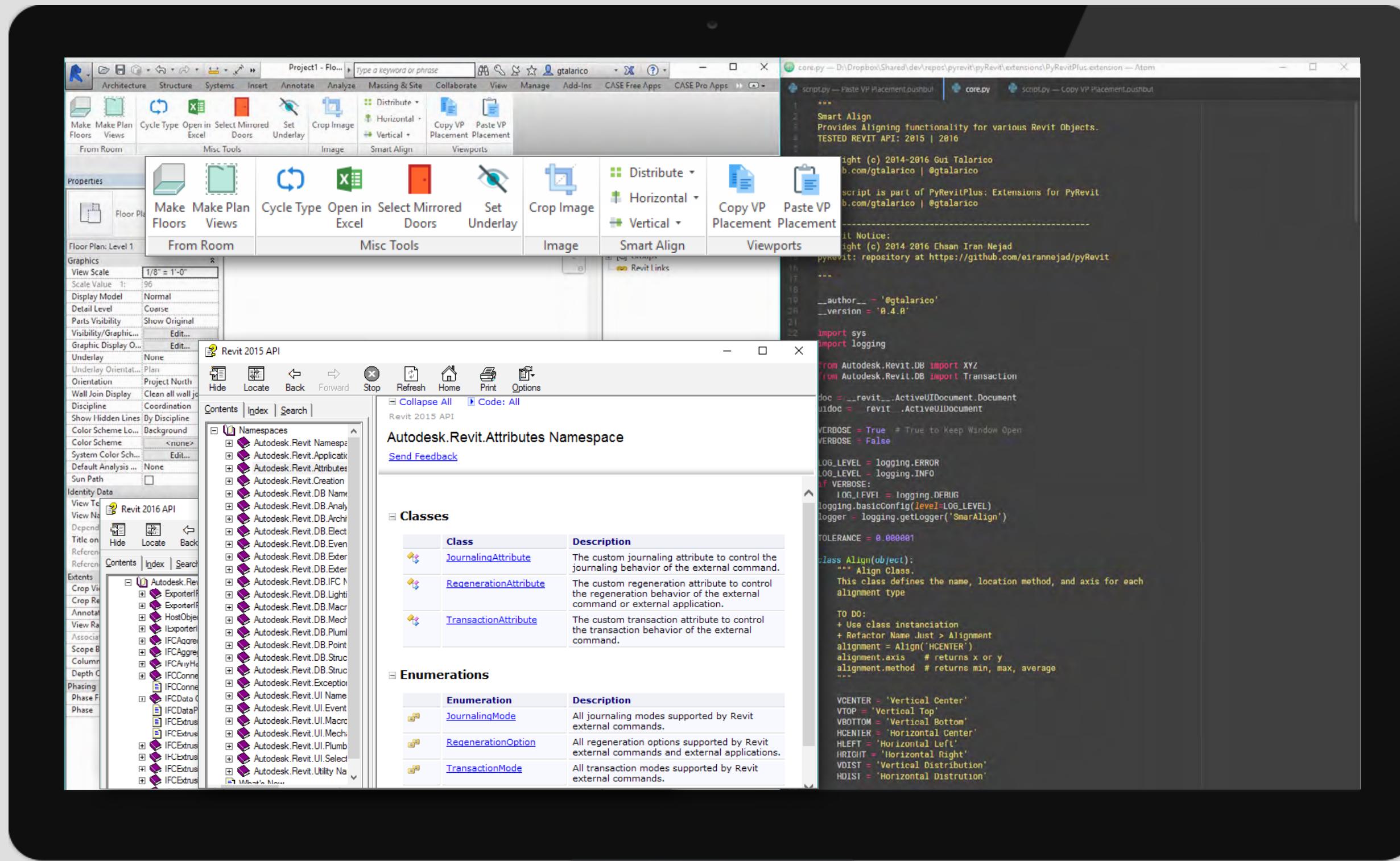
OPTIONAL

GET + GIVE = BONUS

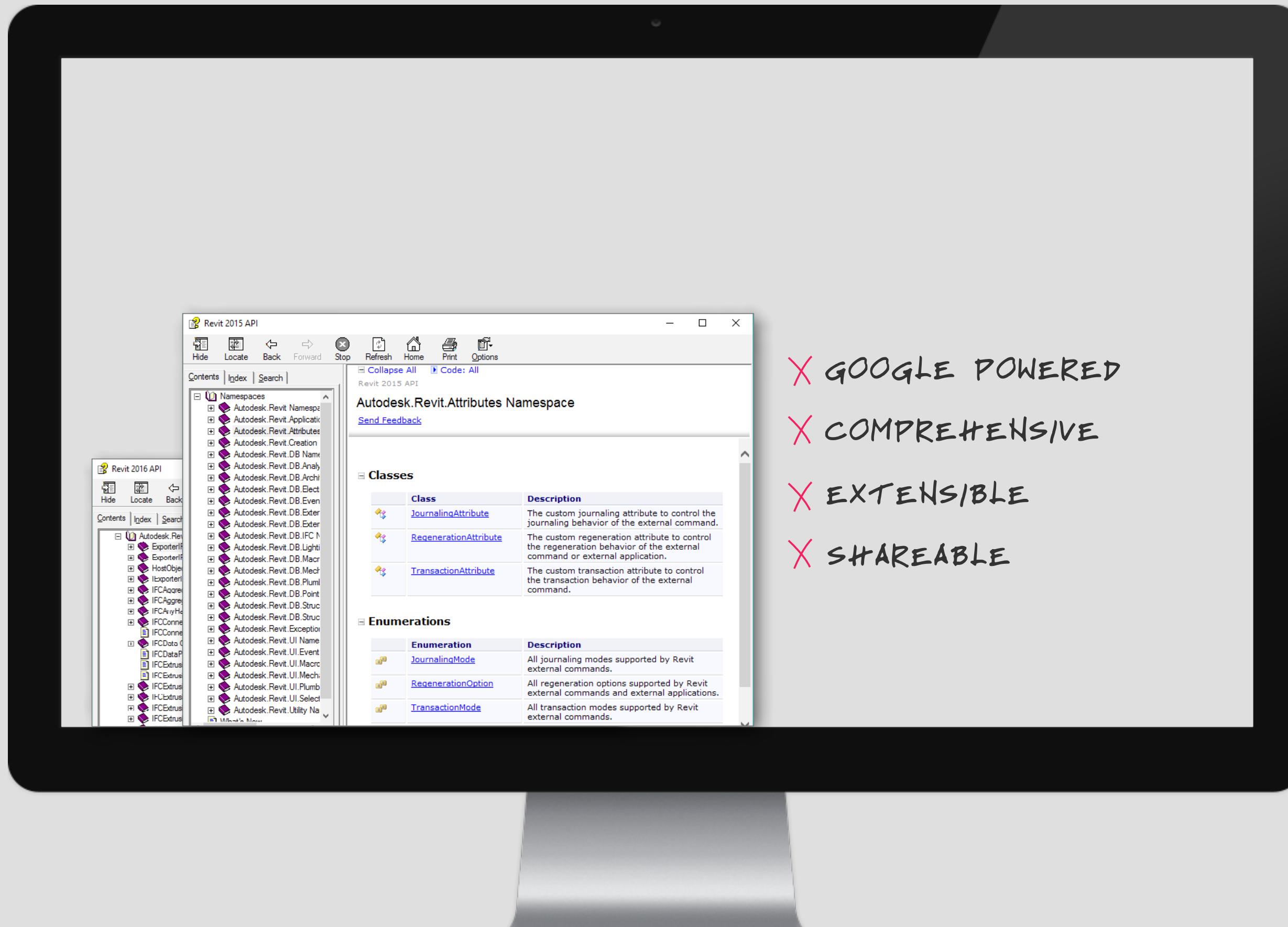
- ✓ ADVICE
- ✓ ANSWERS
- ✓ CUSTOM TOOLS
- ✓ EXAMPLES
- ✓ TUTORIALS
- ✓ LEARN MORE
- ✓ IT'S REWARDING
- ✓ CREDIBILITY



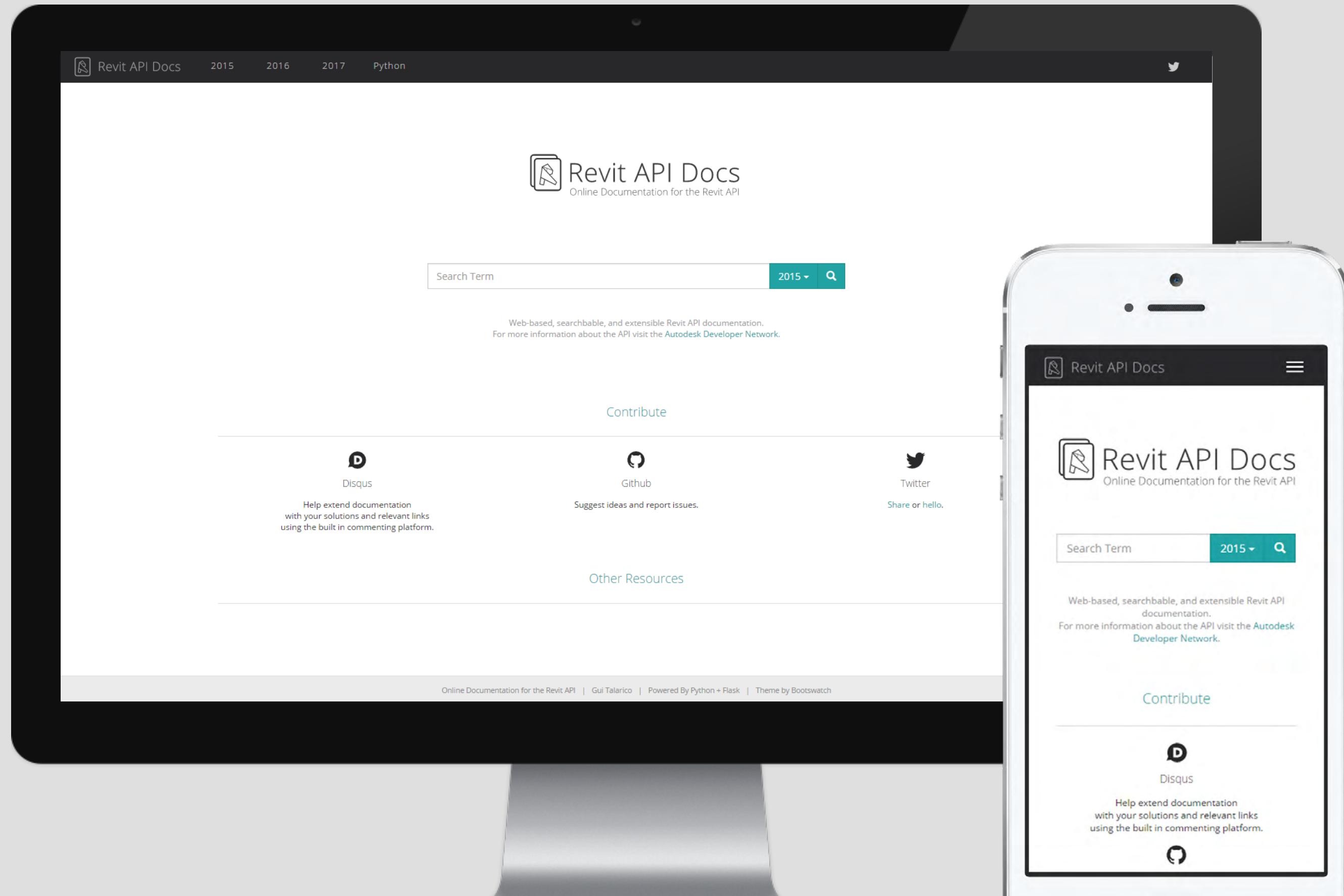
THE PROBLEM



UGH



THE SOLUTION



The screenshot shows the Revit API Docs website. At the top, there is a navigation bar with links for "Revit API Docs", "2015", "2016", "2017", and "Python". On the far right of the navigation bar is a Twitter icon. The main content area features the Revit API Docs logo and the text "Online Documentation for the Revit API". Below this is a search bar with the word "Wall" typed in, a dropdown menu set to "2015", and a magnifying glass icon. A sidebar on the left lists several classes under the heading "Wall": "WallSweep Class", "WallSweepInfo Class", "WallTypeSet Class", "WallUtils Class", "WallType Class", and "WallTypeSetIterator Class". At the bottom of this sidebar is a small "powered by Constructor.io" link. Below the search bar, there are three social sharing sections: "Disqus" with a "D" icon, "Github" with a "G" icon, and "Twitter" with a "T" icon. Each section has a brief description and a link. At the very bottom of the page, there is a footer bar with the text "Online Documentation for the Revit API | Gui Talarico | Powered By Python + Flask | Theme by Bootswatch".

Revit API Docs 2015 2016 2017 Python

Search Term

Query: **Wall**

Filter: Class

API 2015 | Results: 351

Wall Class Class
Autodesk.Revit.DB : Members
Represents a wall in Autodesk Revit.

WallFoundation Class Class
Autodesk.Revit.DB : Members
An object that represents a wall foundation element.

WallFoundationType Class Class
Autodesk.Revit.DB : Members
An object that represents the type of a wall foundation in Autodesk Revit.

WallSweep Class Class
Autodesk.Revit.DB : Members
Represents a wall sweep or reveal.

WallSweepInfo Class Class
Autodesk.Revit.DB : Members
Represents a wall sweep or reveal of a vertically compound structure.

WallType Class Class
Autodesk.Revit.DB : Members
Represents a specific type of wall, such as 'Generic -8".

WallTypeSet Class Class
Autodesk.Revit.DB : Members
A set that contains wall types.

WallTypeSetIterator Class Class
Autodesk.Revit.DB : Members
An iterator to a wall type set.

Could not find what you were looking for? Try a Google Search

Online Documentation for the Revit API | Guia Táctico | Powered by Python + Flask | Theme by Bootstrap

Revit API Docs 2015 2016 2017 Python

Search Term 🔍

- VirtualPrinterType Enumeration
- Visibility Enumeration
- Wall Class**
- Wall Members
- Wall Methods
- Wall Properties
- WallFunction Enumeration
- WallKind Enumeration
- WallLocationLine Enumeration
- WallSide Enumeration
- WallSweep Class
- WallSweepInfo Class
- WallSweepType Enumeration
- WallType Class
- WallTypeSet Class
- WallTypeIterator Class
- WallUtils Class
- Workset Class
- WorksetConfiguration Class
- WorksetConfigurationOption Enumeration
- WorksetDefaultVisibilitySettings Class
- WorksetFilter Class
- WorksetId Class
- WorksetKind Enumeration
- WorksetKindFilter Class
- Members Details

Wall Class

Members Example See Also

Represents a wall in Autodesk Revit.

Namespace: Autodesk.Revit.DB
Assembly: RevitAPI (in RevitAPI.dll) Version: 2015.0.0.0 (2015.0.0.0)

Syntax

C#

```
public class Wall : HostObject
```

Visual Basic

```
Public Class Wall
    Inherits HostObject
```

Visual C++

```
public ref class Wall : public HostObject
```

Remarks

The wall object represents all the different kinds of walls in Revit.

Examples

C#

```
public void GetInfo_Wall(Wall wall)
{
    string message = "Wall : ";
    // Get wall AnalyticalModel type
    AnalyticalModel model = wall.GetAnalyticalModel();
    if (null != model)
    {
```

Online Documentation for the Revit API | Gui Talarico | Powered By Python + Flask | Theme by Bootswatch

Revit API Docs 2015 2016 **2016** 2017 Python

[Search Term](#)

LoadOperationType Enumeration
Location Class
Location Members

- Location Methods
- Location Properties
- LocationCurve Class
- LocationPoint Class
- LogicalAndFilter Class
- LogicalOrFilter Class
- MarginType Enumeration
- MassDisplayTemporaryOverrideType Enumeration
- MassInstanceUtils Class
- Material Class
- MaterialAspect Enumeration
- MaterialFunctionAssignment Enumeration
- MaterialNode Class
- MaterialPropertyPathType Enumeration
- MEPCalculationServerInfo Class
- MEPConnectorInfo Class
- MEPCurve Class
- MEPCurveType Class
- MEPModel Class
- MEPSIZE Class
- MEPSYSTEM Class
- MEPSYSTEMClassification Enumeration
- MEPSYSTEMTYPE Class

(Inherited from Object.)

Move
Rotate
ToString

Move the element within the project by a specified vector.
Rotate the element within the project by a specified angle around a given axis.
Returns a string that represents the current object.
(Inherited from Object.)

Properties

Name	Description
IsReadOnly	Identifies if the object is read-only or modifiable. (Inherited from APIObject.)

See Also

Location Class
Autodesk.Revit.DB Namespace

5 Comments Revit Api Docs [7](#) Gui Talarico

[Recommend](#) [Share](#) Sort by Best

[Join the discussion...](#)

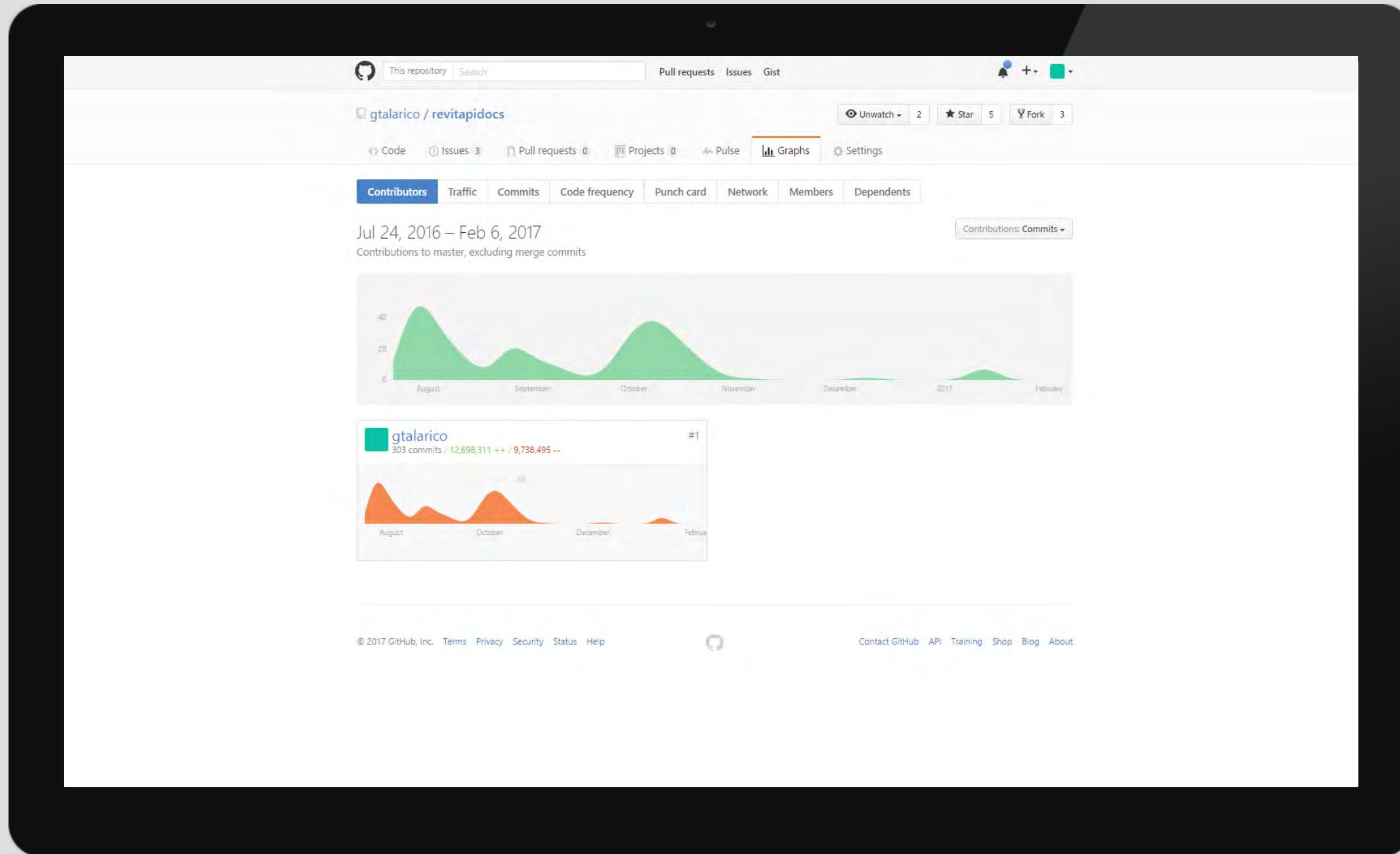
Gabe Nones 2 months ago
Remember: Location.Point is a viable API call. The member isn't listed here for whatever reason.
^ | v - Reply Share

Maxence Gabe Nones 2 months ago
It's because Point is a property of the LocationPoint class, which is derived from the class Location, which is the type of the property Location on the Element class.
^ | v - Reply Share

Gabe Nones Maxence a month ago
Maybe the mods here can set up the 'Python' section a little better or somehow integrate it side-by-side with the C# and VB examples.
^ | v - Reply Share

Online Documentation for the Revit API | Gui Talarico | Powered By Python + Flask | Theme by Bootswatch

OPEN SOURCE



METRICS

The image shows a tablet displaying a web analytics dashboard from Google Analytics. The dashboard includes metrics like Pageviews (160,647), Sessions (25,777), and Average Session Duration (00:06:13). It also shows a timeline chart of pageviews and a map of global traffic. A large, hand-drawn question 'IS ANYONE EVEN USING THIS?' is overlaid on the top half of the screen. In the bottom right corner, there is a cartoon illustration of a man with glasses and a suit, looking thoughtful with his hand on his chin.

Pageviews
160,647
Last hour: 1,606 views

Pageviews - Timeline

Pageviews

Sessions
25,777
% of hour: 100.00% (25,777)

Average Session Duration
00:06:13
Avg per View: 00:06:13 (0.00%)

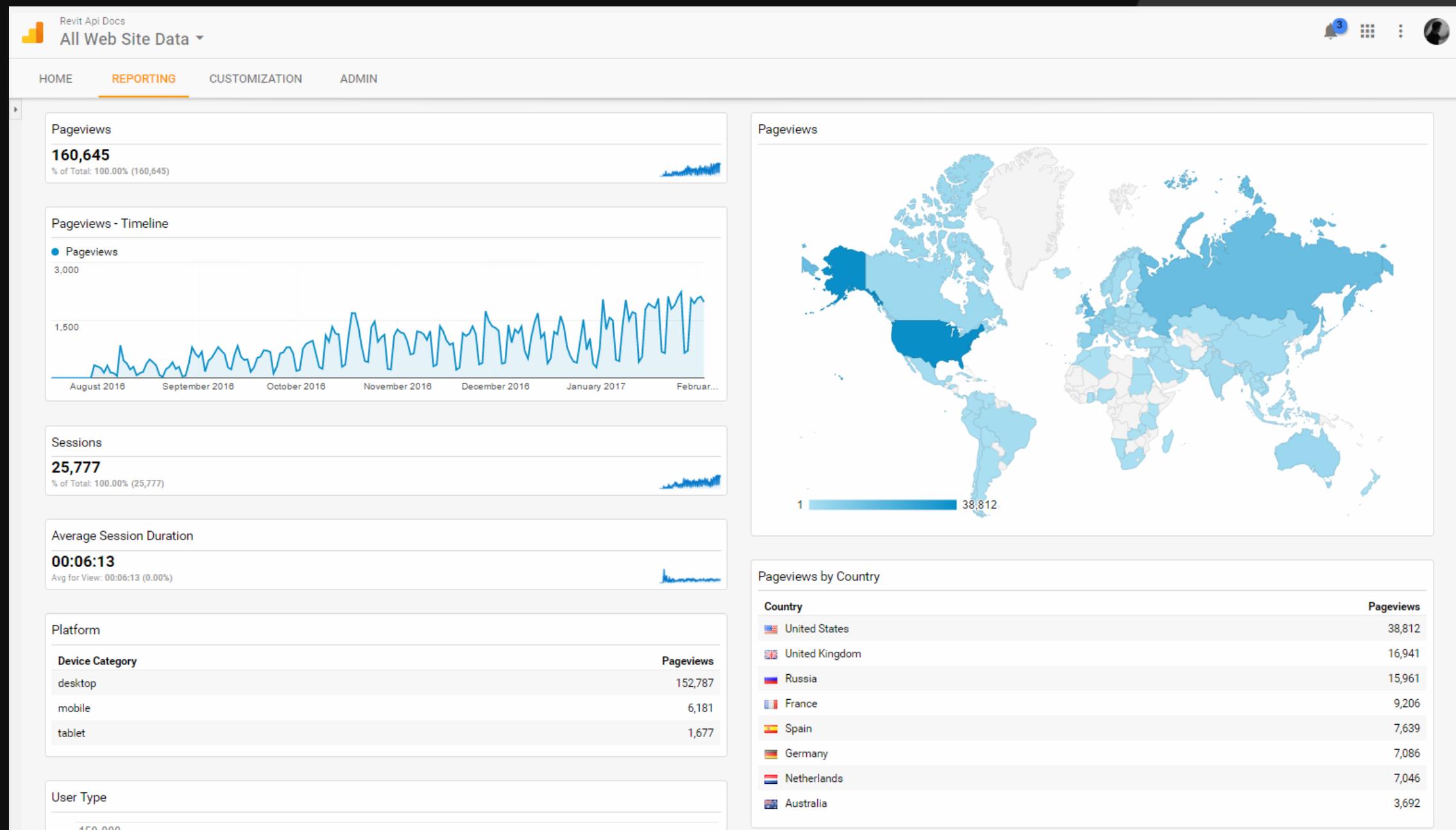
Platform

Device Category	Pageviews
desktop	152,787
mobile	6,181
tablet	1,677

User Type

Pageviews by Country

Country	Pageviews
United States	38,812
United Kingdom	16,941
Russia	15,961
France	9,206
Spain	7,639
Germany	7,086
Netherlands	7,046
Australia	3,692



THANKS

