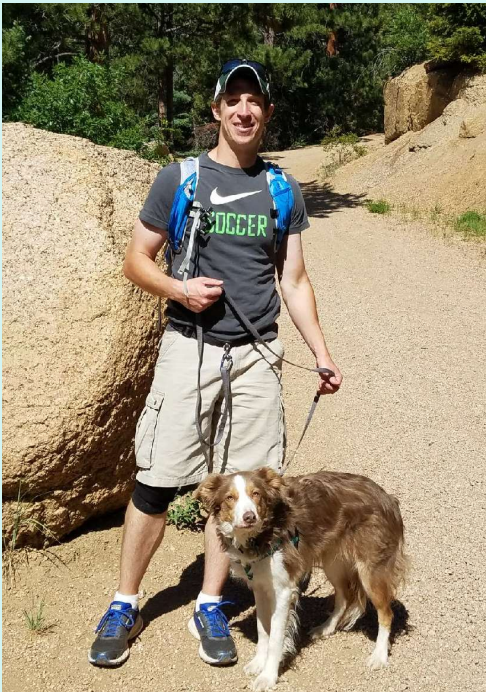


Extension Madness



3DBASECAMP
2018
Palm Springs





Justin Geis

TheSketchUpEssentials.com

- [YouTube.com/TheSketchUpEssentials](https://www.youtube.com/TheSketchUpEssentials)

- The SketchUp Essentials YouTube Channel -

Almost 500 videos now about how to use SketchUp

Weekly SketchUp extension introduction and review videos



Resources from Today's Presentation

- www.TheSketchUpEssentials.com/Basecamp2018
- This presentation
- Links to tutorials on every extension I mention (90% of them)





My Goal -

Everyone in this room learns about at least one extension that's going to make their work significantly easier



Presentation Agenda

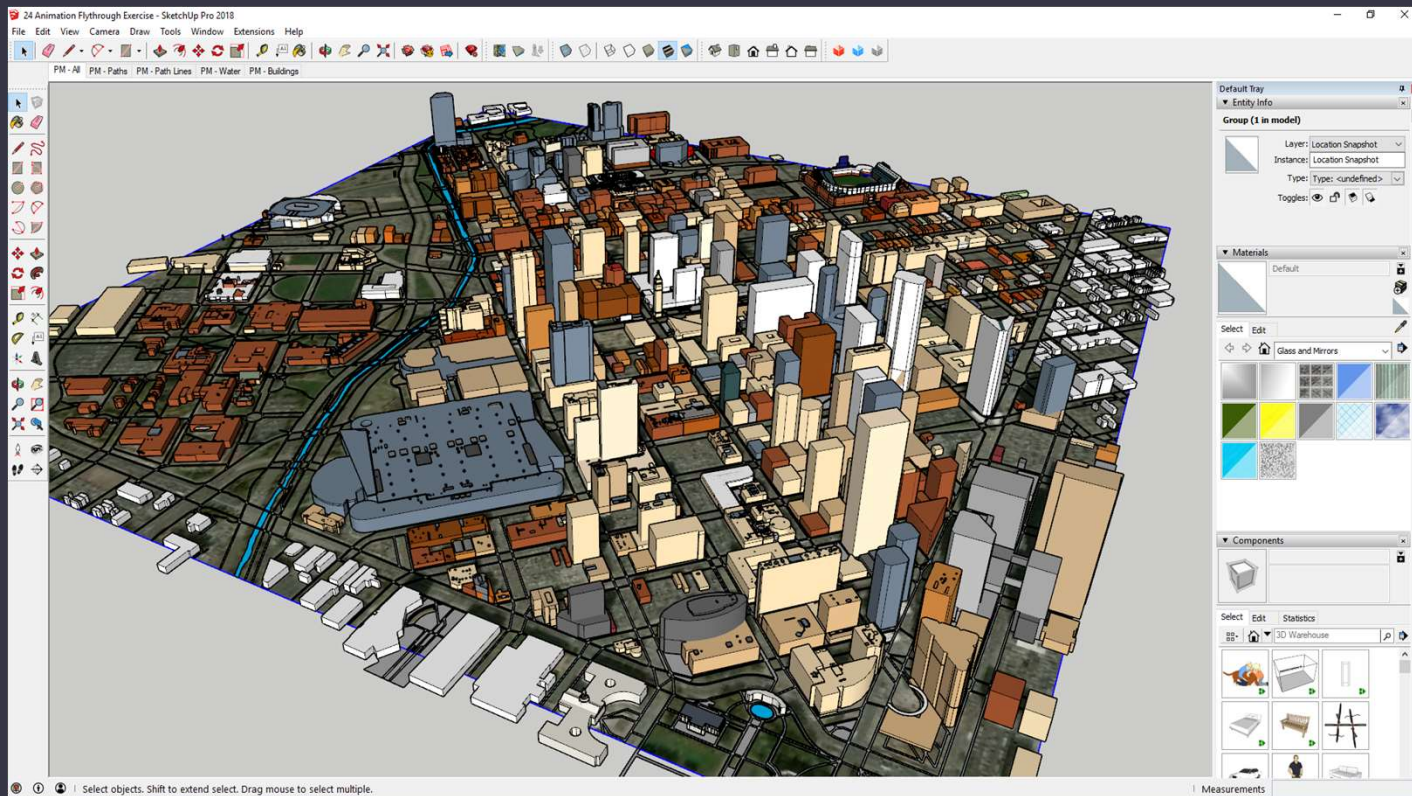
- What are Extensions?
- How to get them
- Overview of available extensions
- Extension Workshop



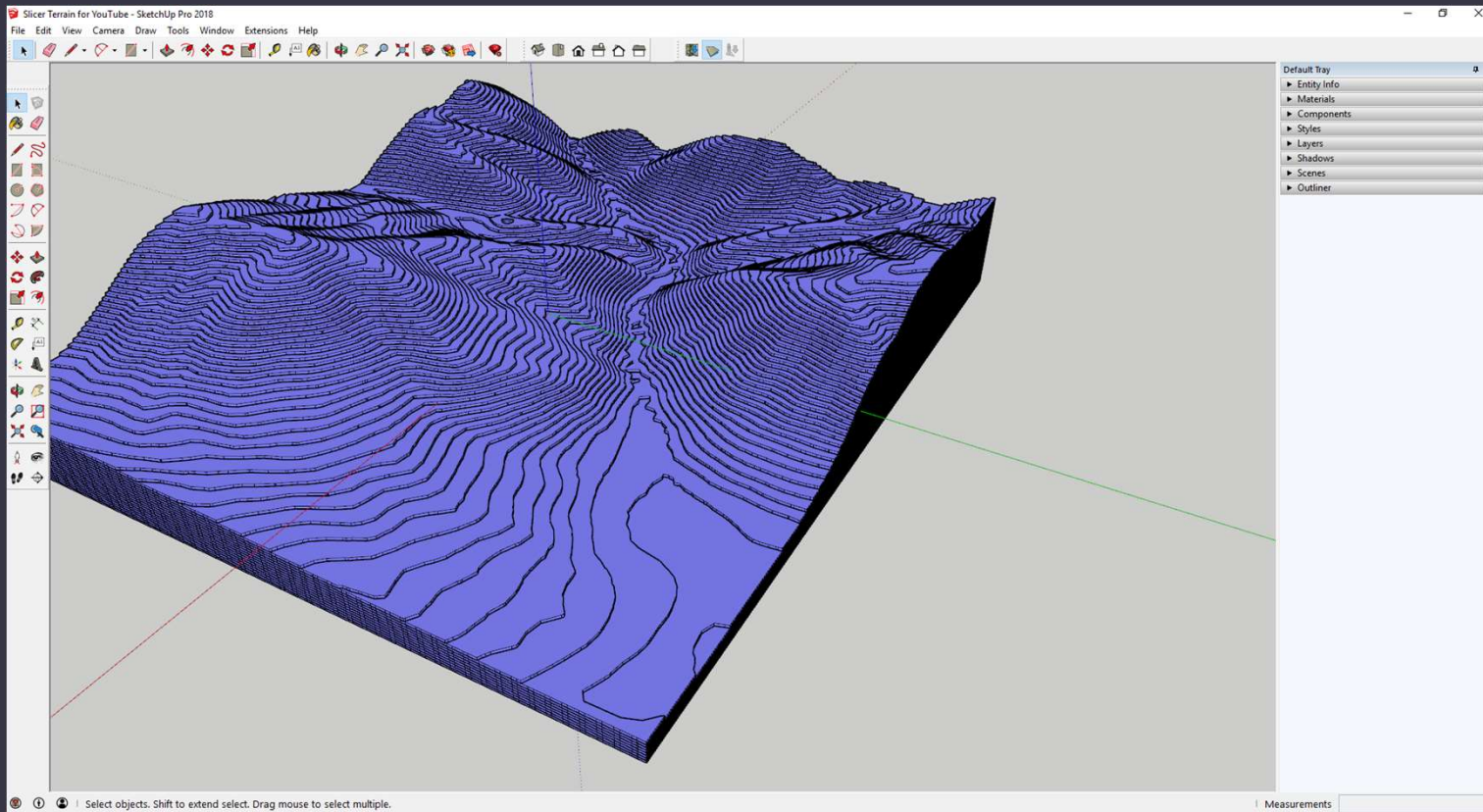
What are extensions and Why do you need them?



How long do you think this took to model?



How would you make this in SketchUp?



Did you think this was possible in SketchUp?





How many of you are using extensions right now in your workflow?



“I don’t want to use extensions yet because it will force me to learn the native tools better”







What are extensions?

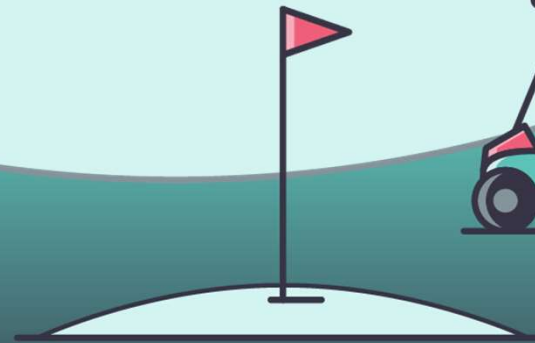
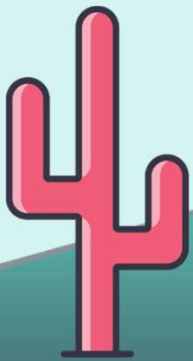
- Extensions are basically scripts that you install in SketchUp to expand its functionality
- Written in a language called Ruby
- Only available in the desktop version of SketchUp



The goal should always be to make modeling in SketchUp faster and more efficient.

Extensions are how you get faster and more efficient

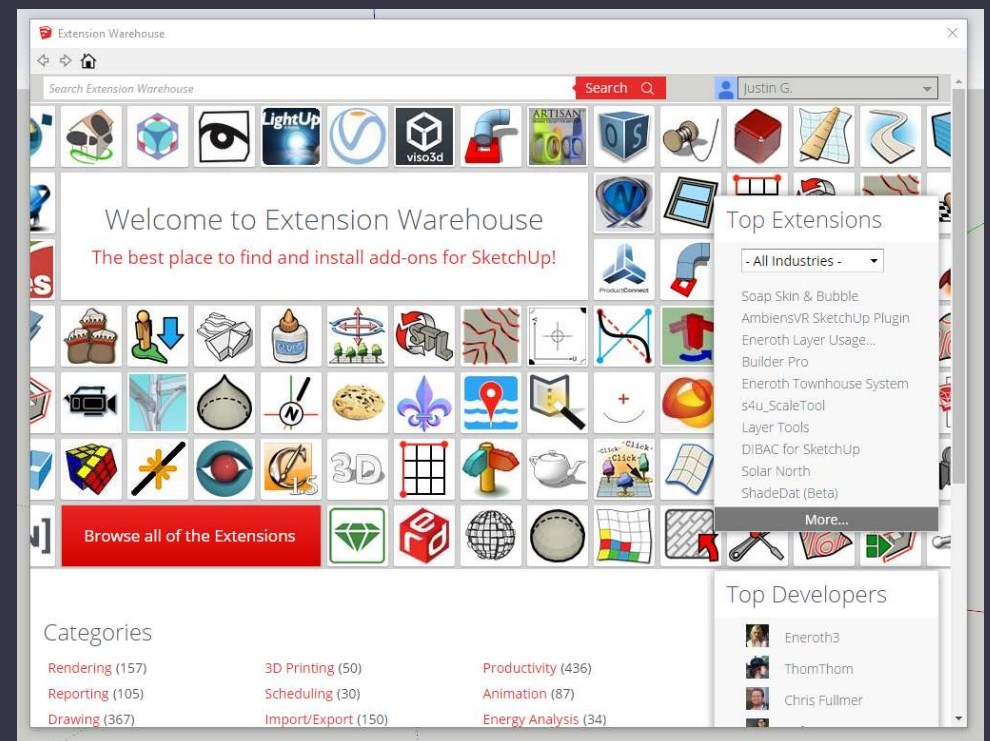
Where to get extensions



Where to Get Extensions #1

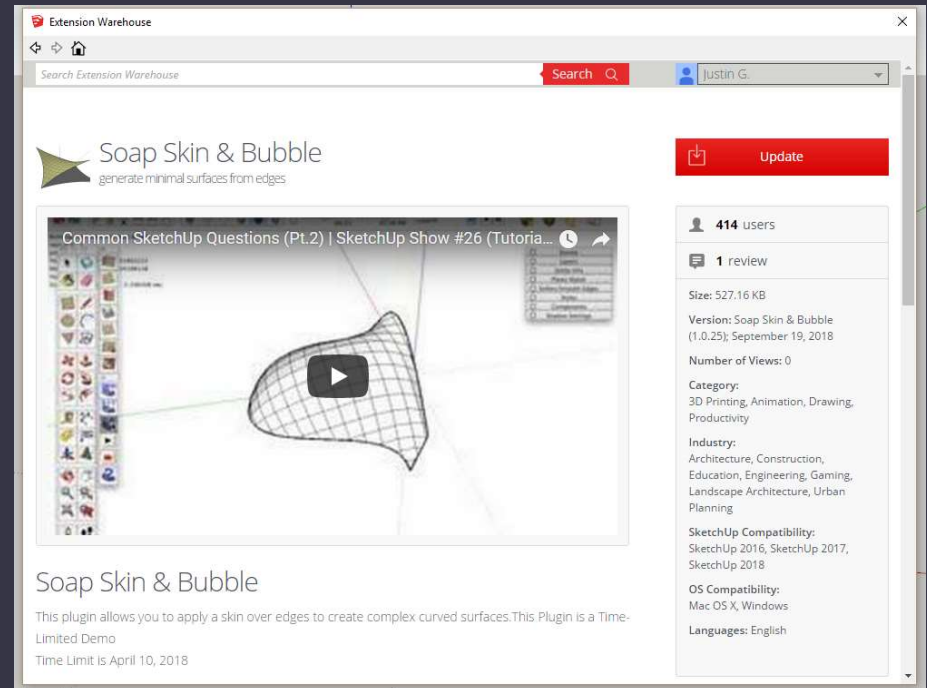
The SketchUp Extension Warehouse

- “Window”, “Extension Warehouse” within SketchUp
- Need to create a Trimble ID or you can use your Google Account
- Search for extensions by name, by category, or by developer



SketchUp Extension Information Page

- Name/Developer
- Reviews
- Instructions (Sometimes Video)
- SketchUp Compatibility – Very Important!
- Install/Update Button

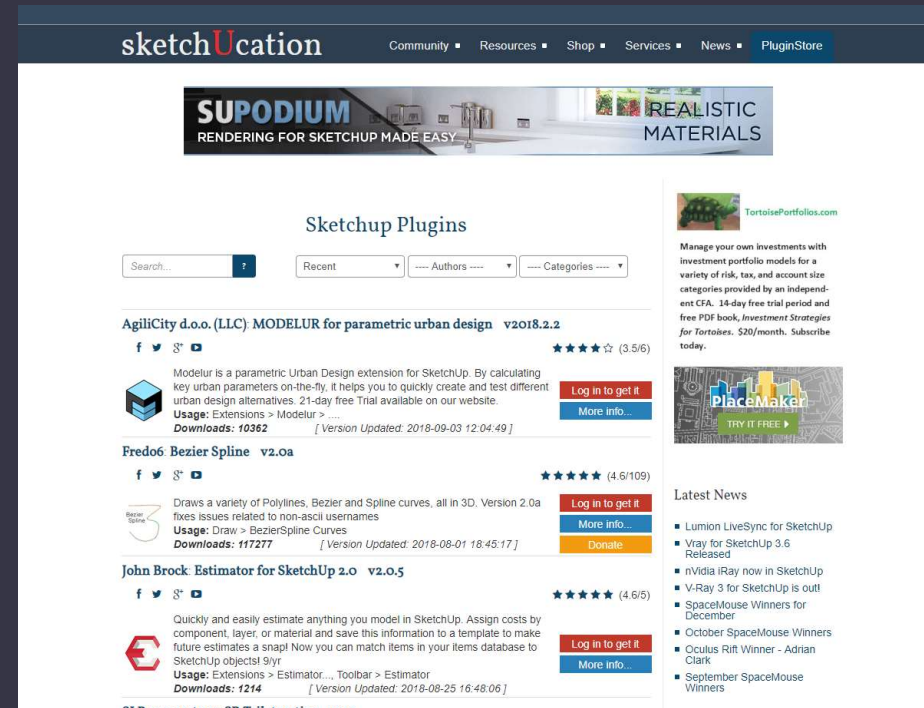


The screenshot shows the 'Soap Skin & Bubble' extension page on the SketchUp Extension Warehouse. The page features a search bar at the top with the text 'Search Extension Warehouse' and a search icon. The extension's name 'Soap Skin & Bubble' is displayed with a green and yellow logo and the tagline 'generate minimal surfaces from edges'. A red 'Update' button is visible in the top right corner. Below the extension name is a video player showing a 3D model of a curved surface with a play button overlay. The video title is 'Common SketchUp Questions (Pt.2) | SketchUp Show #26 (Tutoria...'. To the right of the video player is a sidebar with user statistics: '414 users' and '1 review'. Below the statistics, the extension's size is listed as '527,16 KB', the version as 'Version: Soap Skin & Bubble (1.0.25); September 19, 2018', and the number of views as 'Number of Views: 0'. The category is '3D Printing, Animation, Drawing, Productivity' and the industry is 'Architecture, Construction, Education, Engineering, Gaming, Landscape Architecture, Urban Planning'. The SketchUp compatibility is listed as 'SketchUp 2016, SketchUp 2017, SketchUp 2018'. The OS compatibility is 'Mac OS X, Windows' and the language is 'English'. At the bottom of the page, there is a description: 'This plugin allows you to apply a skin over edges to create complex curved surfaces. This Plugin is a Time-Limited Demo. Time Limit is April 10, 2018'.

Where to Get Extensions #2

The SketchUcation Extension Warehouse

- www.SketchUcation.com
- Will need a Login
 - Use the Free Account Option!
- Similar search function to the SketchUp Extension Warehouse
- Available as a plugin to SketchUp as well



The screenshot displays the SketchUcation website's 'Sketchup Plugins' page. The header includes the 'sketchUcation' logo and navigation links for 'Community', 'Resources', 'Shop', 'Services', 'News', and 'PluginStore'. A banner for 'SUPODIUM' is visible, advertising 'REALISTIC MATERIALS' and 'RENDERING FOR SKETCHUP MADE EASY'. The main content area features a search bar and filters for 'Recent', 'Authors', and 'Categories'. Three plugins are listed:

- AgiliCity d.o.o. (LLC) MODELUR for parametric urban design v2018.2.2**: A parametric Urban Design extension for SketchUp. It includes a search bar, social media icons, a 3.5/5 star rating, and a 'Log in to get it' button. Usage: Extensions > Modelur > ... Downloads: 10362 [Version Updated: 2018-09-03 12:04:49]
- Fredo6 Bezier Spline v2.0a**: Draws a variety of Polylines, Bezier and Spline curves, all in 3D. Version 2.0a fixes issues related to non-ascii usernames. Usage: Draw > BezierSpline Curves Downloads: 117277 [Version Updated: 2018-08-01 18:45:17]
- John Brock Estimator for SketchUp 2.0 v2.0.5**: Quickly and easily estimate anything you model in SketchUp. Assign costs by component, layer, or material and save this information to a template to make future estimates a snap! Now you can match items in your items database to SketchUp objects! 9/yr Usage: Extensions > Estimator... Toolbar > Estimator Downloads: 1214 [Version Updated: 2018-08-25 16:48:06]

On the right side, there is a sidebar with a 'TortoisePortfolios.com' advertisement and a 'Latest News' section listing updates for Lumion LiveSync, Ray for SketchUp 3.6, nVidia iRay, and V-Ray 3 for SketchUp.

SketchUcation Extension Information Page

- Name/Developer
- Dependencies
- Install/Update Button
- **CLICK THE MORE INFO BUTTON!**

Sketchup Plugins

Search... ? Recent --- Authors --- Categories ---

Fredo6: Animator v2.2c ★★★★★ (4.2/43)

f t g+ v

Animator is a script dedicated to the animation of Sketchup models. It provides a parametric, interactive framework to control movements of objects and cameras along a timeline. Animator generates videos in various formats.

Usage: Tools > Fredo6 Collection > Animator

Dependencies: LibFredo6 8.4a or higher

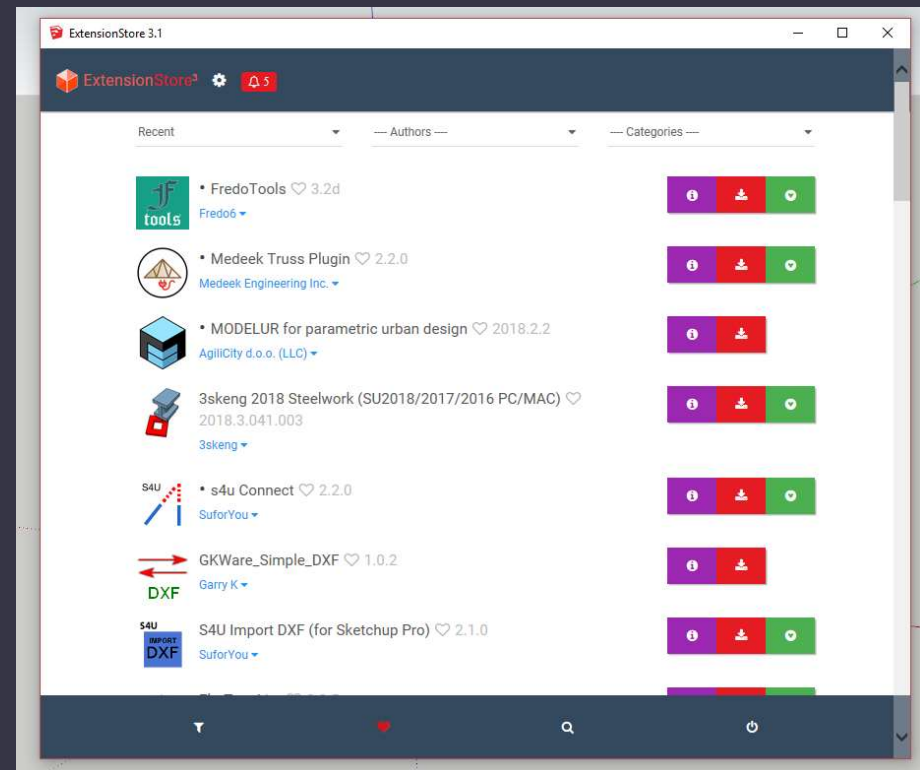
Downloads: 28712 [Version Updated: 2018-08-26 21:38:25]

[Log in to get it](#)
[More info...](#)
[Donate](#)

Tags for this article: [sketchup plugins](#) | [sketchup extensions](#) | [plugin](#) | [plugins](#) | [sketchup](#) | [trimble](#) | [installing plugins](#) | [free sketchup plugins](#) | [free sketchup extensions](#) | [sketchup plugin tutorials](#) | [sketchup extension tutorials](#)

SketchUcation Extension Store Download

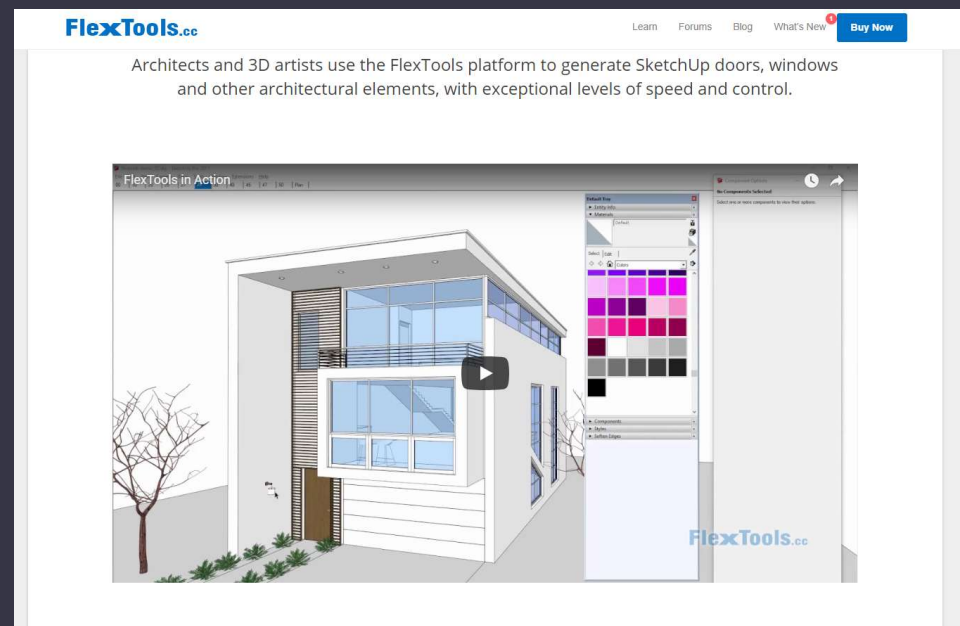
- SketchUcation, Resources, Plugin Store Download
- Downloads a Ruby Script (Extension) file that you can install



Where to Get Extensions #3

Product Websites

- Download Ruby Script Files Directly from Websites
- Install Using Extension Manager
 - Placemaker
 - FlexTools
 - Skatter
 - Many More

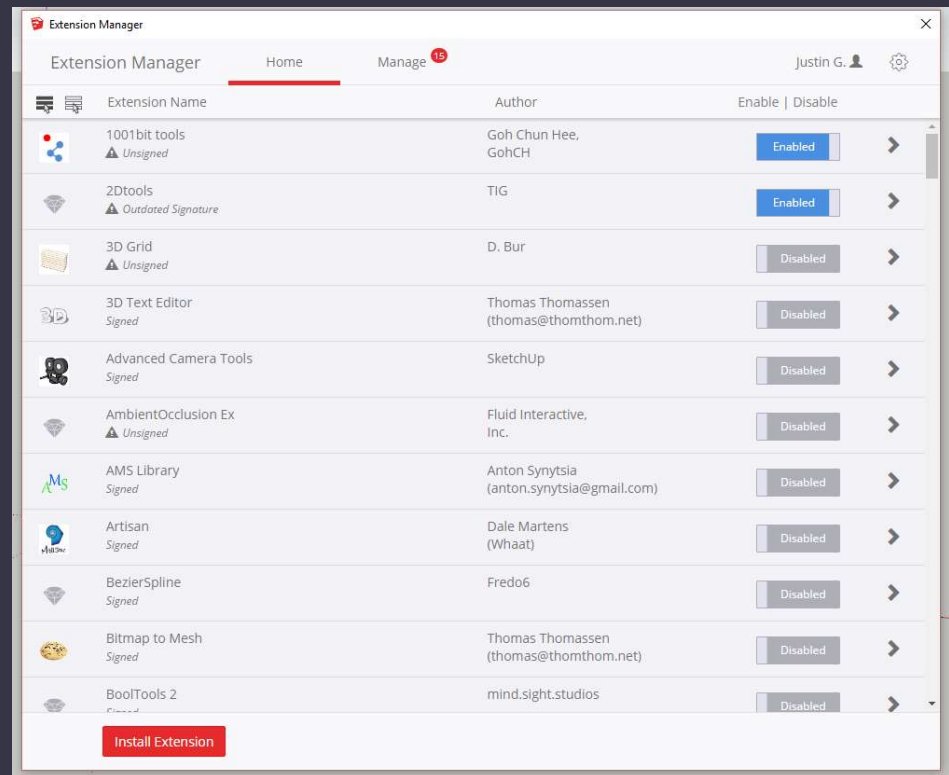


How to Install/Manage Extensions



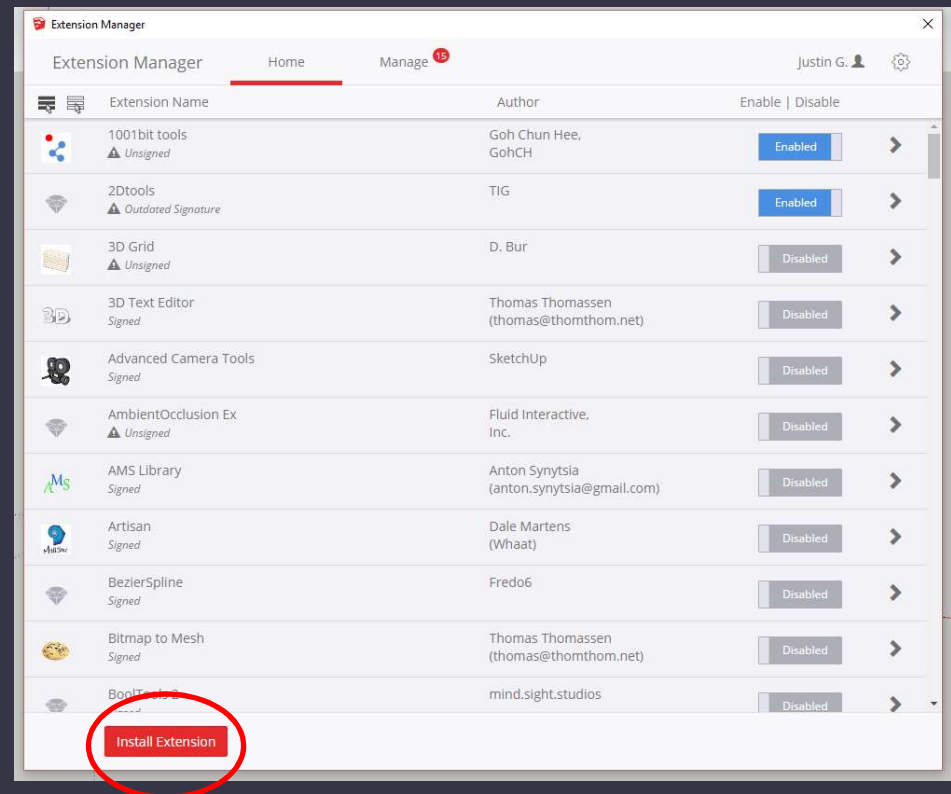
SketchUp Extension Manager

- “Window,” “Extension Manager”
- Manage Loaded Extensions
- Update Some Extensions
 - (Notification on SketchUp Load)
- Uninstall Extensions



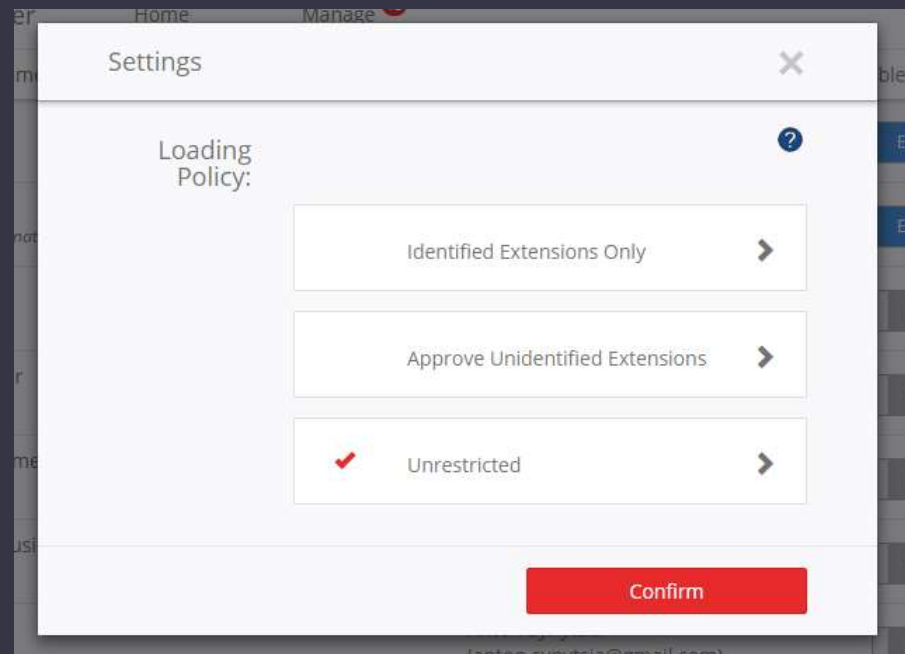
Installing Extensions Manually

- Install Extension Button
 - Select the Ruby File you've downloaded
- Enable Extension
- May have to restart SketchUp



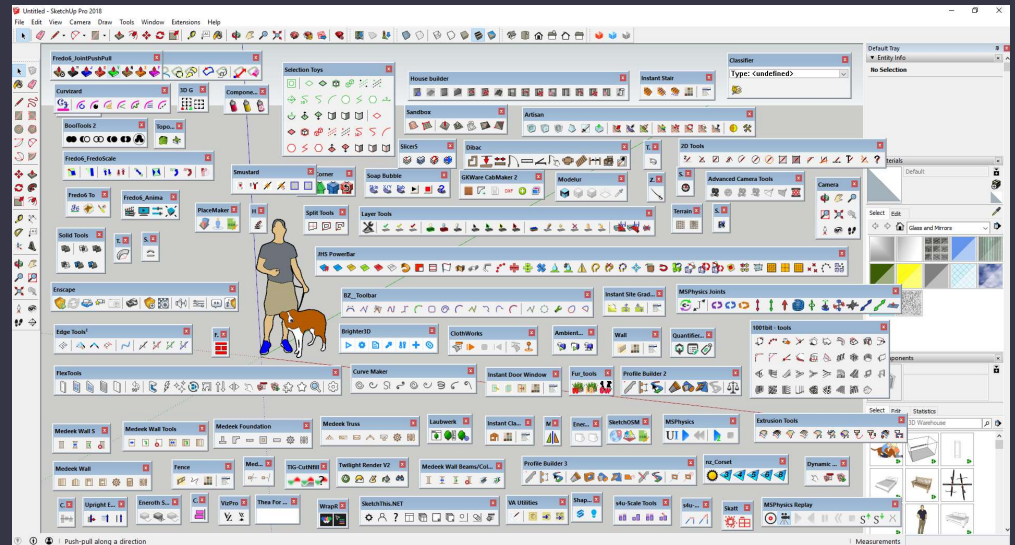
Loading Policy

- Checks for a specific digital signature by registered Sketchup Developers
- Usually set to “unrestricted,” just make sure you trust the location you got your extension from



Extensions and SketchUp Speed

- Every extension SketchUp has to load will slow down your load time
- Load only the extensions you need



PLEASE Don't do this



What Kind of Extensions are There?



Add Simple Functions to SketchUp

- Curic Space
- Curic Align
- Weld
- PathCopy
- 3D Text Editor
- Shape Bender
- Selection Toys
- Eneroth Visual Merge
- DropGC
- Selection Memory
- Memory Copy
- Solid Inspector
- Many Many More

Add More Complex Functions to SketchUp

- Tools on Surface
- Curviloft
- Joint Push Pull
- Slicer
- RoundCorner
- FredoCorner
- FredoScale
- TrueBend
- Helix Along Curve
- Flowify
- Vertex Tools
- SubD/Artisan
- QuadFace Tools
- FredoTools ThruPaint

Architectural Extensions

- Profile Builder
- PlusSpec
- 1001Bit Tools
- 2D Tools
- Vali Architecture Instant Roof,
Road, Door, Window, Fence,
Railing, Terrain, Etc
- Medeek Foundation
- Medeek Truss
- Medeek Wall
- And More!

Site/Location Extensions

- Placemaker
- TopoShaper
- Edge Tools
- Skatter
- Sandbox Tools
- Instant Road



Photorealistic/Stylized Rendering

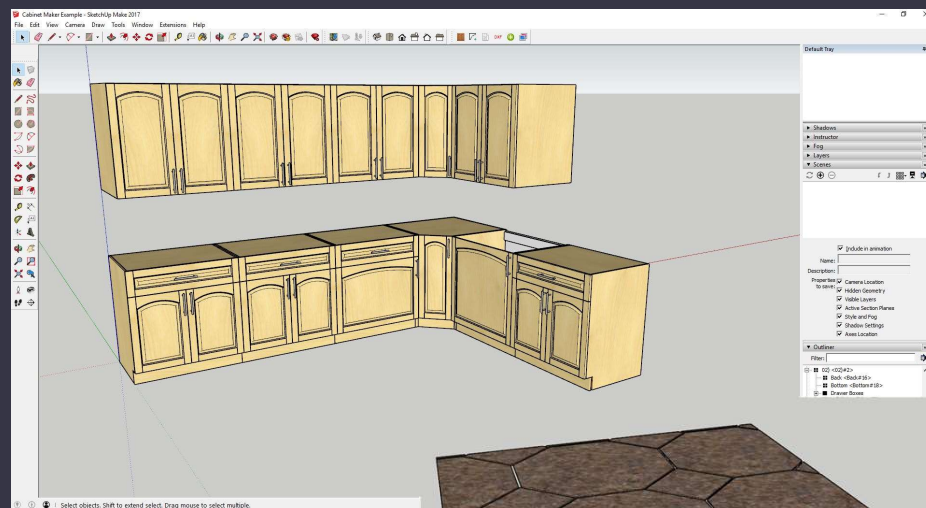
- Enscape (PC Only)
 - (Image Credit: Archoverdose from Enscape Forum)
- LightUp (Mac)
- Vray
- SketchFX
- Twilight Render (Free)
- Podium
- Thea Render
- Many More



Courtesy of OVA Studio Limited

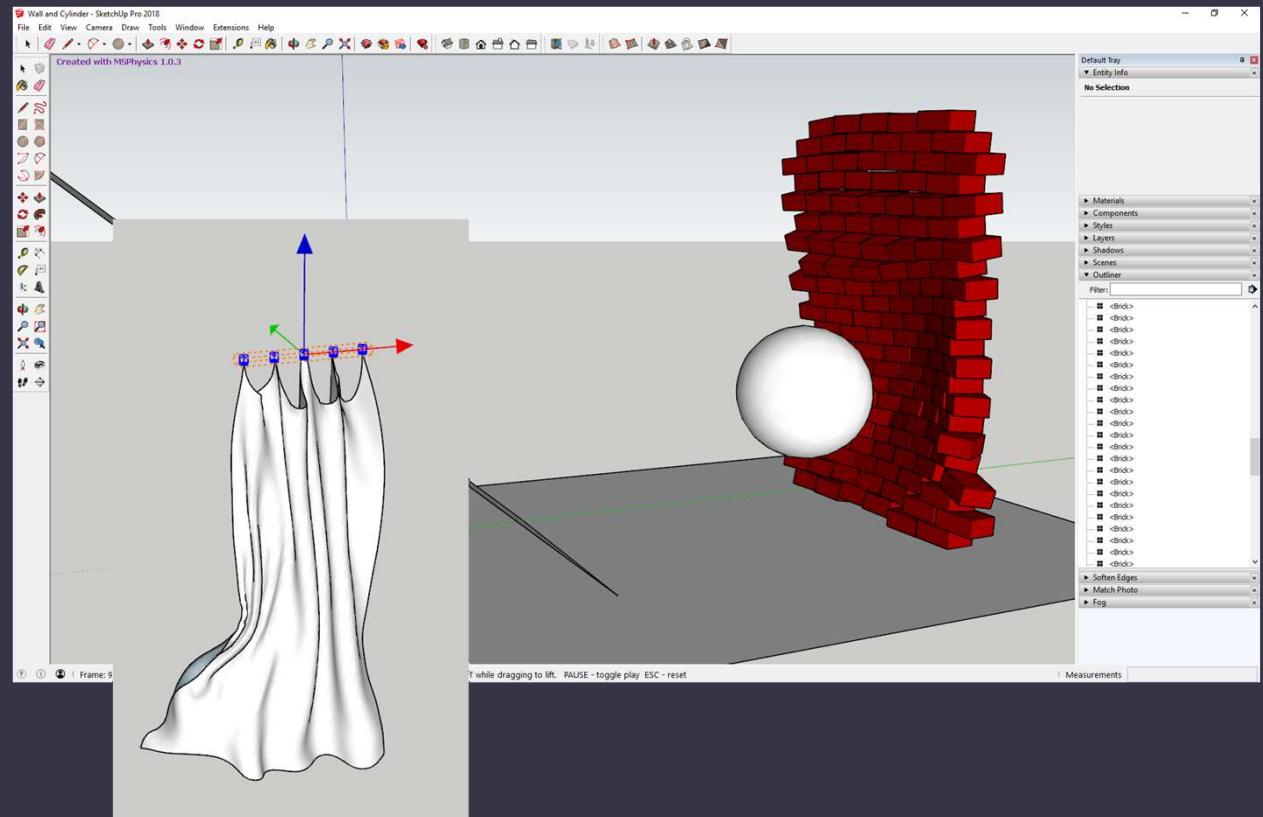
Interior Design/Woodwork

- GKWare Cabinet Maker
- CabWriter
- CutList
- EasySketch Kitchen Design
- Floor Generator



Other Applications

- Clothworks
- MS Physics
- Animator
- Laubwerk



Tutorials and Links for all these extensions at
www.thesketchupessentials.com/Basecamp2018

Justin@thesketchupessentials.com

[YouTube.com/TheSketchUpEssentials](https://www.youtube.com/TheSketchUpEssentials)

[@EasySketchUp](https://twitter.com/EasySketchUp)

