

SD21181-L : Coding New Nodes with Dynamo

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Who am I?

15+ years in Buildings, Transport & Infrastructure CAD/BIM software user/trainer, developer and project management & delivery. Worked and lived in Australia, Malaysia & Philippines supporting projects located on 6 of 7 Continents for Architects, Engineering Consultants, Main Contractor and a Sub-Contractor. Projects from Residential homes, Luxury Hotels, Retail, Health & Ed, Water, Power, Highways, to 10billion (USD) Rail Developments.

Have developed UI++, DynaWorks & Gorilla Packages for Dynamo

Current Roles

AECOM – Associate Director BIM Lead Queensland, Australia

Revit Technology Conference (now BiLT) – Program Manager ANZ

Bad Monkeys – Dynamo Coding Lab Rat

In The Works – El-Capitano Software Product Developer

BrisBIM – Committee Member

Autodesk Expert Elite

Class summary

Learn how to create Dynamo nodes with C#. This lab is designed to show experienced users of software programming the API functions and practical examples of connecting new products, enhancing existing ones (Revit software), and understanding the geometry engine. We'll also take a look at how to create custom user interface (UI) nodes. Users will develop an understanding of where the Dynamo extension stores various aspects of the underlying systems, and what templates you can set up to speed up your software development workflows. Whether you're looking to build simple Zero Touch libraries, complex wrappers to third-party applications, or totally new UI functionality, this class will provide the foundations to help you take significant steps forward. This session features Dynamo Studio and Revit.

Key learning objectives

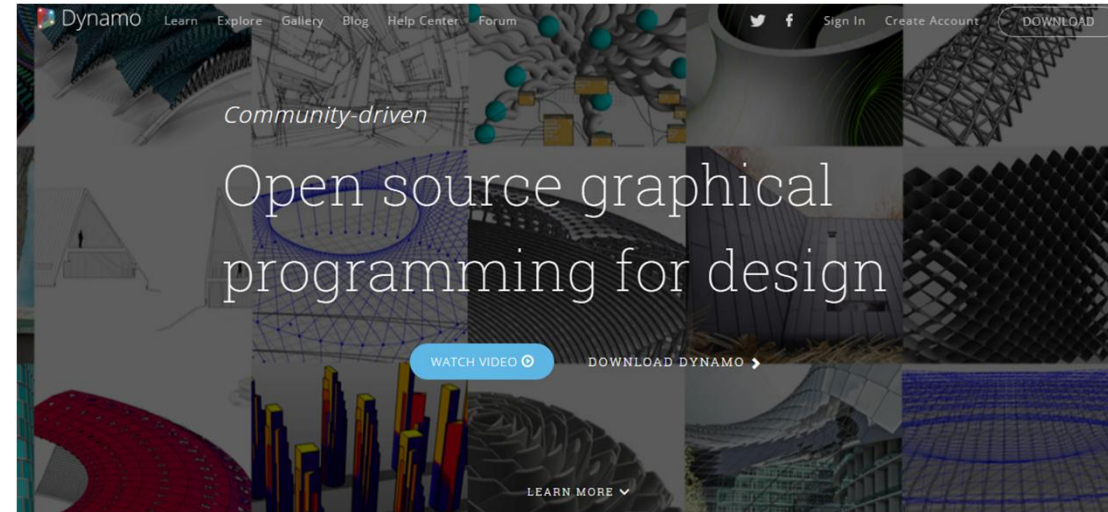
At the end of this class, you will be starting to:

- § Create Zero Touch Nodes
- § Create Dynamo Geometry Programmatically
- § Create Revit Nodes
- § Wrap External Library into Dynamo Nodes
- § Create DropDown
- § Have a peak at the source code of Gorilla & DynaWorks

GitHub

- § Website
- § Dynamo
- § DynamoRevit
- § Downloading Github
- § Downloading Source Code

www.dynamobim.org



DataSets

- § Zero Touch Example
- § C# Design Script
- § Dynamo Revit Macro
- § UI 101 - DropDownBox
- § BCFier Integration

More Questions? Visit the AU Answer Bar

- § Seek answers to all of your technical product questions by visiting the [Answer Bar](#).
- § Open daily from **8am-6pm Tuesday** and **Wednesday**; **8am-4:30pm Thursday**.
- § Located outside **Hall C, Level 2**.
- § Meet Autodesk developers, testers, & support engineers ready to help with your most challenging technical questions.





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