

DevSummit DC

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Writing Add-ins with C# and Python

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Roadmap

**Python
Overview**

**Python
Add-In Overview**

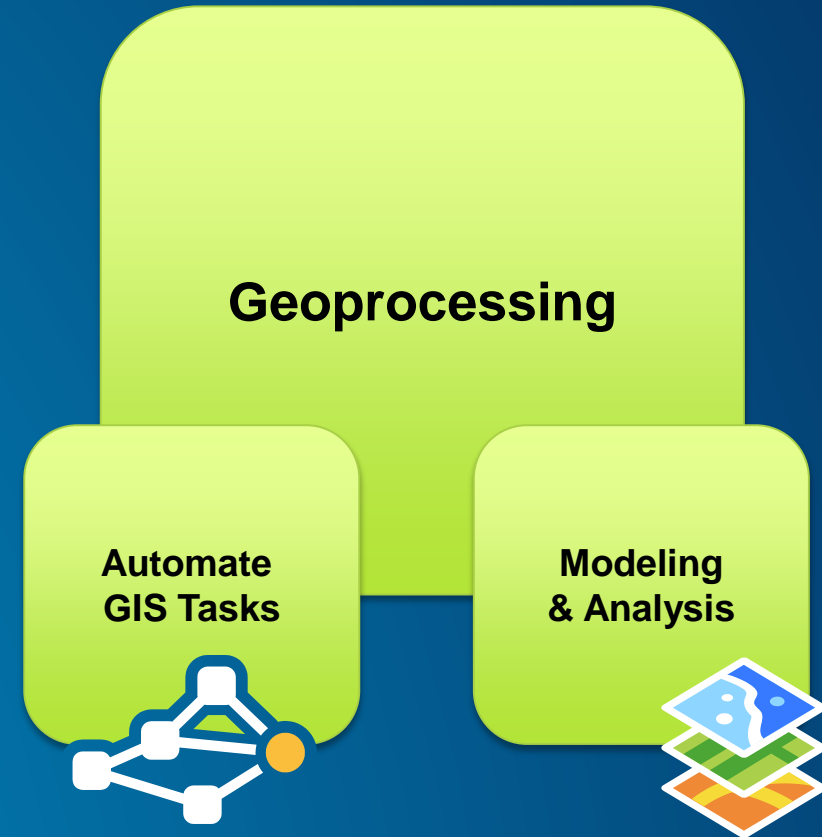
**Hello World
Demo**

**Calling
ArcToolbox Tool
Demo**

**Tool/Combo Box
Demo**

Purpose of Python

- **Perform Analysis**
- **Automate Tasks**
- **Make repetitive task easier**
- **Share workflows**
- **Provide a common language**



How to Use Python

- **Python Add-ins**
 - Allows for interaction between ArcGIS Desktop and the user by creating buttons, toolbars, menu items, and application extension
- **Toolboxes**
 - Store business logic in models and scripts
 - Creates a system generated GUI based on the user's input and output parameters.
- **Python Toolboxes**
 - Pure python implementation of the traditional toolbox
- **Python file (.py)**
 - Contains business logic for a specific task

Add-Ins Overview

- **Downloading the add-in wizard**
 - <http://www.arcgis.com/home/item.html?id=5f3aefe77f6b4f61ad3e4c62f30bff3b>
- **Provides simple access into the ArcGIS framework**
- **Creates a controls to add to the ArcGIS Desktop Framework**
 - **Toolbars and menus**
 - **Buttons, Combo boxes**
 - **Tools, Tool palettes**
- **pythonaddins module used to support add-ins**

Add-In Demos

- **Hello World!**
- **Calling ArcToolbox Tool**
- **Tool Example**

Questions?

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Understanding our world.