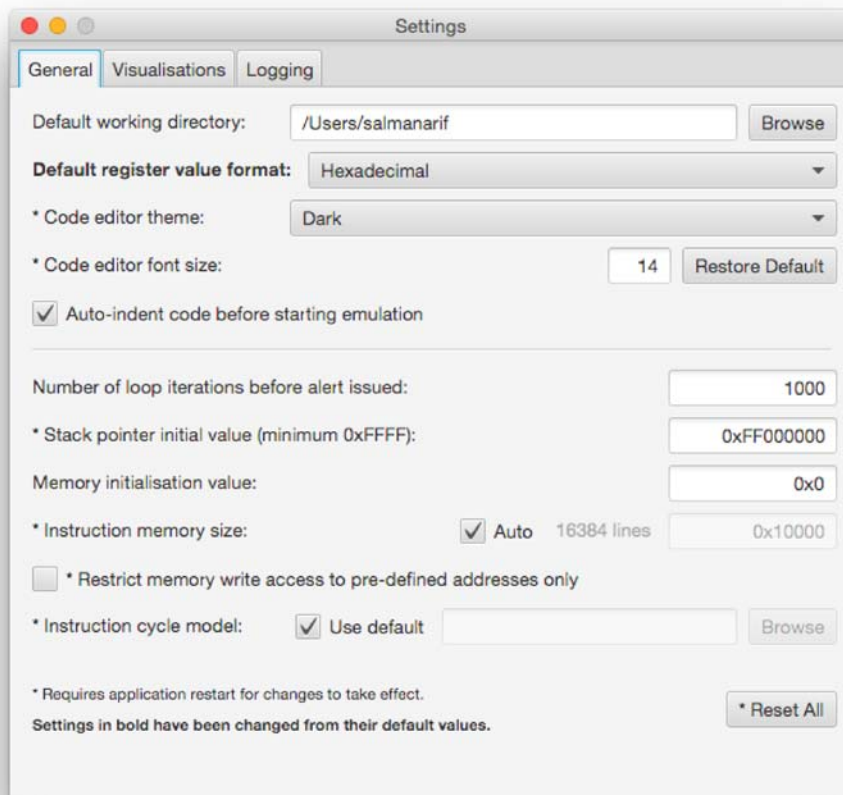




Settings Panel

The settings panel provides access to configuration options for VisUAL. It is divided into 3 sections: General, Visualisations and Logging. You can reset all settings to default if needed using the **Reset All** button.

General Settings



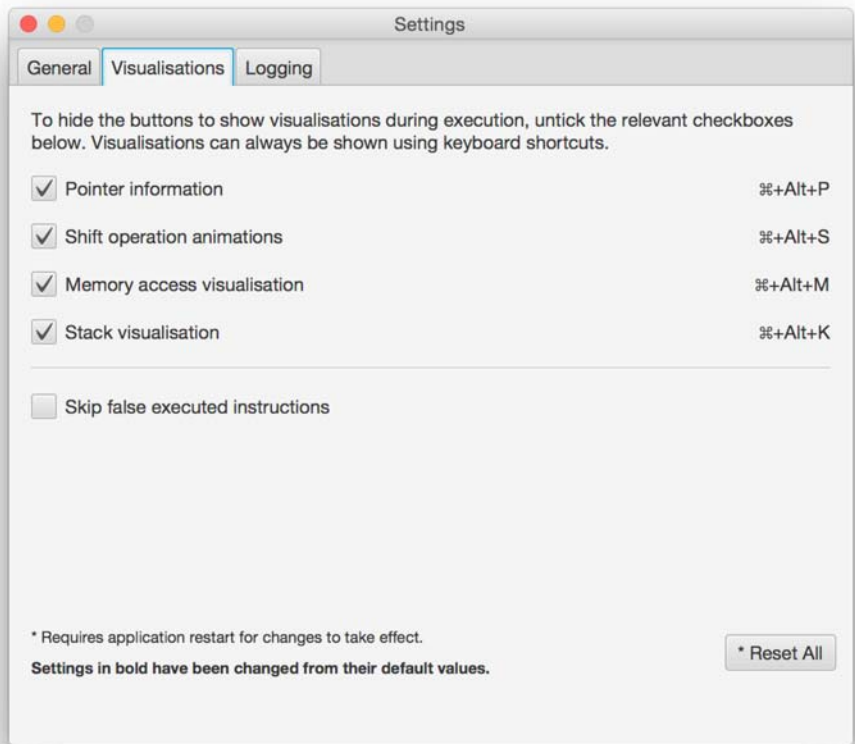
The screenshot shows the 'Settings' window with the 'General' tab selected. The window has three tabs: 'General', 'Visualisations', and 'Logging'. The 'General' tab contains the following settings:

- Default working directory:** /Users/salmanarif (with a 'Browse' button)
- Default register value format:** Hexadecimal (dropdown menu)
- * Code editor theme:** Dark (dropdown menu)
- * Code editor font size:** 14 (with a 'Restore Default' button)
- ☒ **Auto-indent code before starting emulation**
- Number of loop iterations before alert issued:** 1000
- * Stack pointer initial value (minimum 0xFFFF):** 0xFF000000
- Memory initialisation value:** 0x0
- * Instruction memory size:** ☒ **Auto** 16384 lines (with a value of 0x10000)
- ☐ *** Restrict memory write access to pre-defined addresses only**
- * Instruction cycle model:** ☒ **Use default** (with a 'Browse' button)
- * Requires application restart for changes to take effect.
- Settings in bold have been changed from their default values.
- * Reset All** button

Change emulation and user interface settings here.

Setting	Description	Default
Default working directory	Directory shown when using Save or Open buttons	User home directory
Default register value format	Choose register format to use for all registers on startup and reset	Hexadecimal
Code editor theme	Select between the dark and light code editor themes	Dark
Code editor font size	Change the code editor font size	14pt
Number of loop iterations before alert issues	Specify infinite loop detection threshold	1000
Stack pointer initial value	Specify value for R13 (SP) set on startup and reset	0xFF000000
Memory initialisation value	Specify value used to initialise unused memory locations	0x00000000
Instruction memory size	Specify the size of the instruction memory map region	Auto
Restrict memory write access to pre-defined addresses only	If enabled, only locations defined using DCD , DCB or FILL can be written to.	Disabled
Instruction cycle model	Specify the cycle model to use to count instruction cycles. By default, the cycle model provided in the cycle models user guide page is used.	Use default

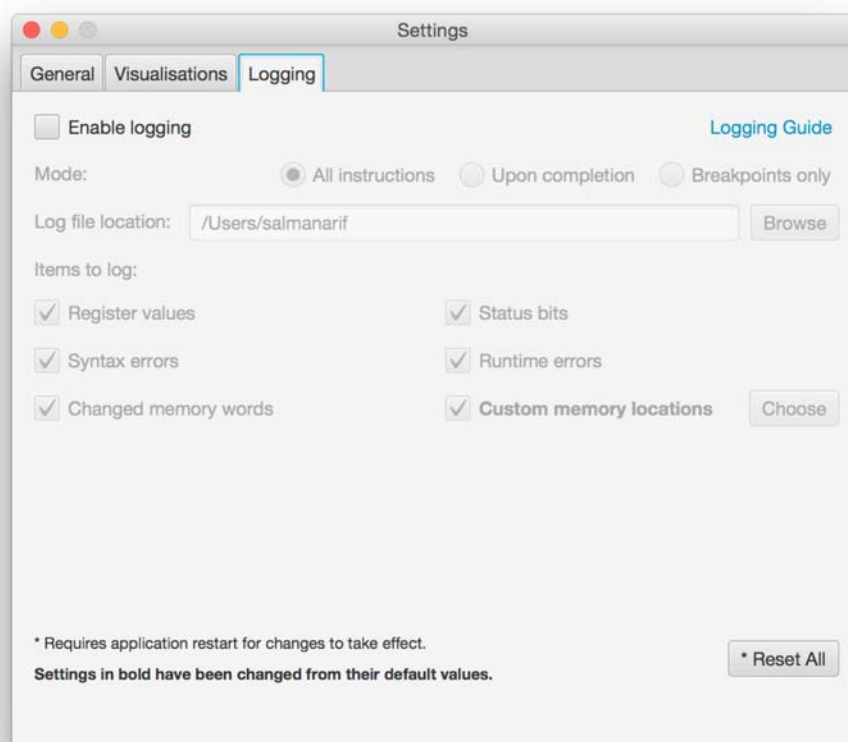
Visualisation Settings



Choose which visualisations should be displayed automatically. Disabled visualisations can still be viewed using keyboard shortcuts. All visualisations are enabled by default.

Setting	Description	Shortcut
Pointer information	Toggle the pointer visualisation button	Shortcut+Alt+P
Shift operation animations	Toggle the shift operation visualisation button	Shortcut+Alt+S
Memory access visualisation	Toggle the memory access visualisation button	Shortcut+Alt+M
Stack visualisation	Toggle the stack visualisation button	Shortcut+Alt+K
Skip false executed instructions	If enabled, instructions predicated false will not be shown in step-by-step debugging mode during emulation	N/A

Logging Settings



Provides access to enable logging in GUI mode. Logging is disabled by default here. See the [logging guide](#) for details on the logging feature.