



Setting up your environment

Making an AI Application with
OpenAI API



Make sure you have Python installed

Installing Python on Mac:

<https://www.dataquest.io/blog/installing-python-on-mac/>

Installing Python on Windows:

<https://learn.microsoft.com/en-us/windows/python/beginners>

Installing Python on Linux:

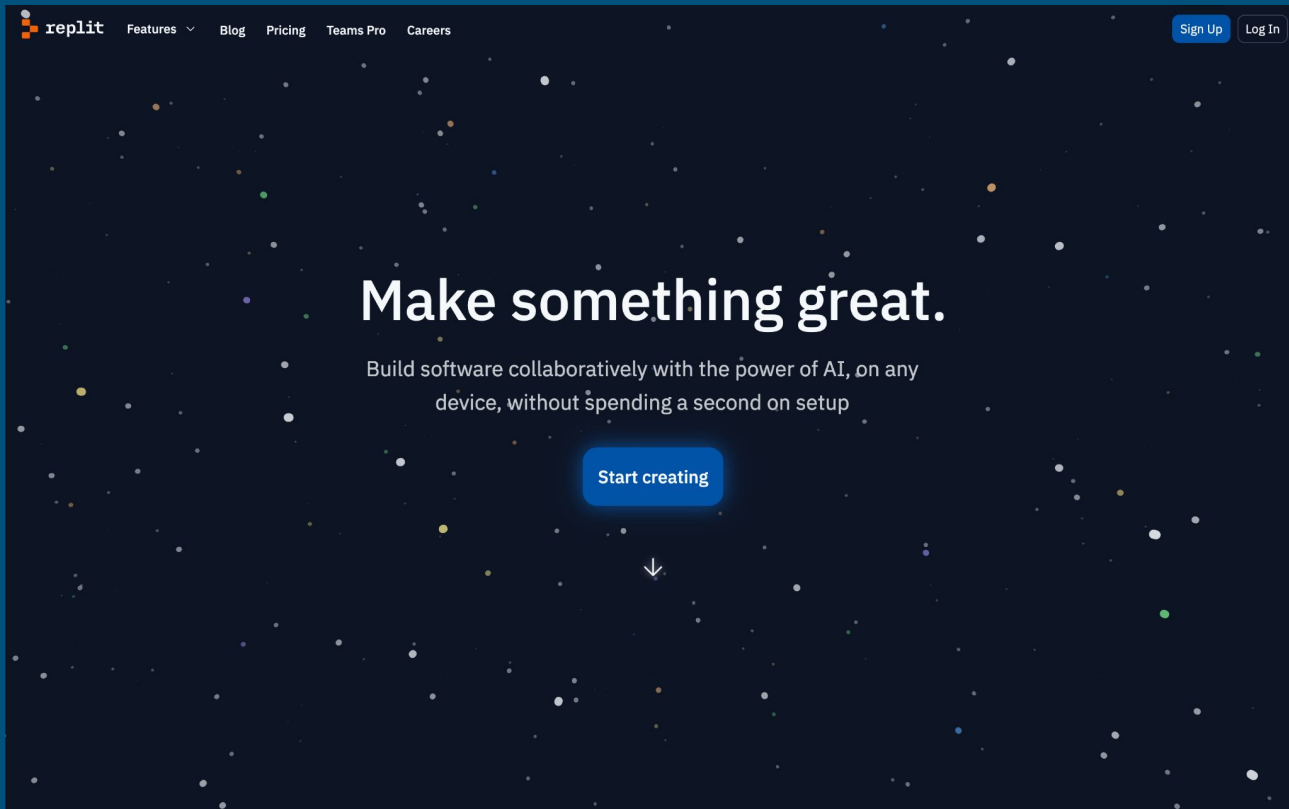
<https://docs.python-guide.org/starting/install3/linux/>

If you don't want to install Python, use Replit

Go to

<https://replit.com/>

And make an
account

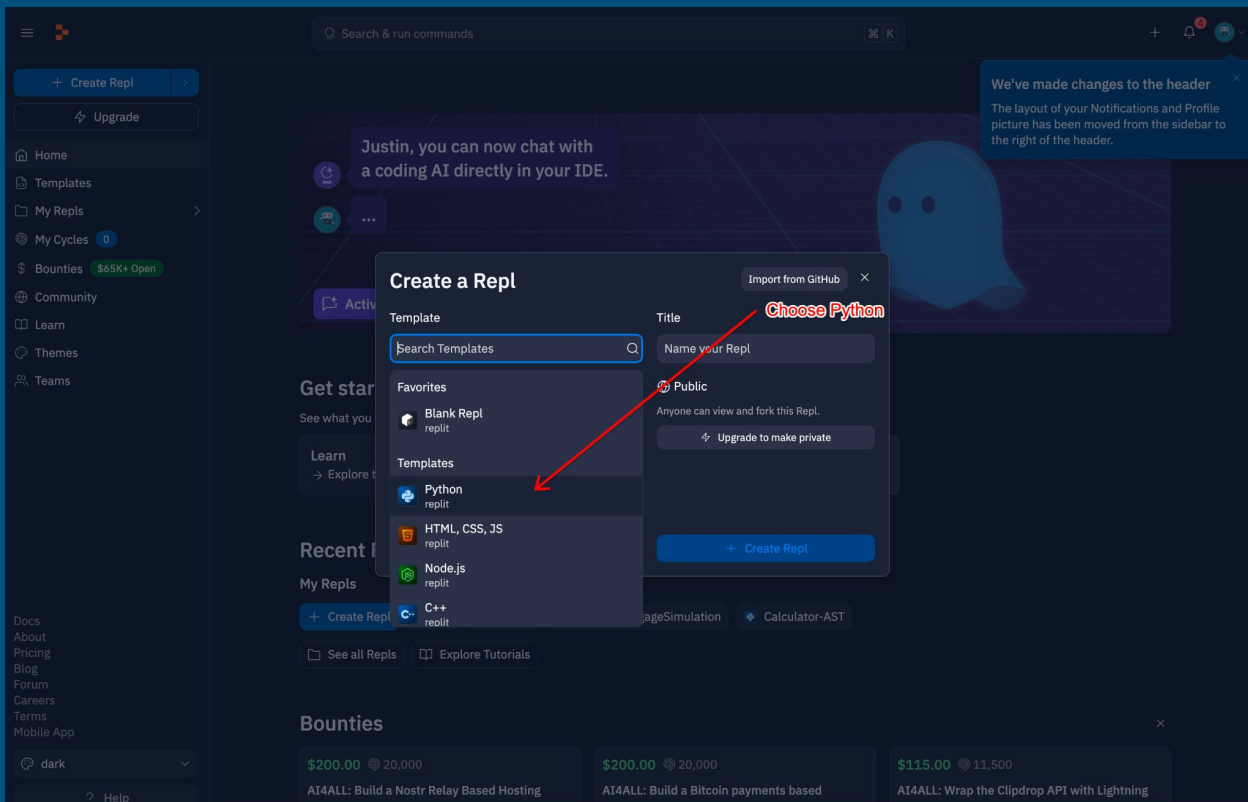


Create a new Repl

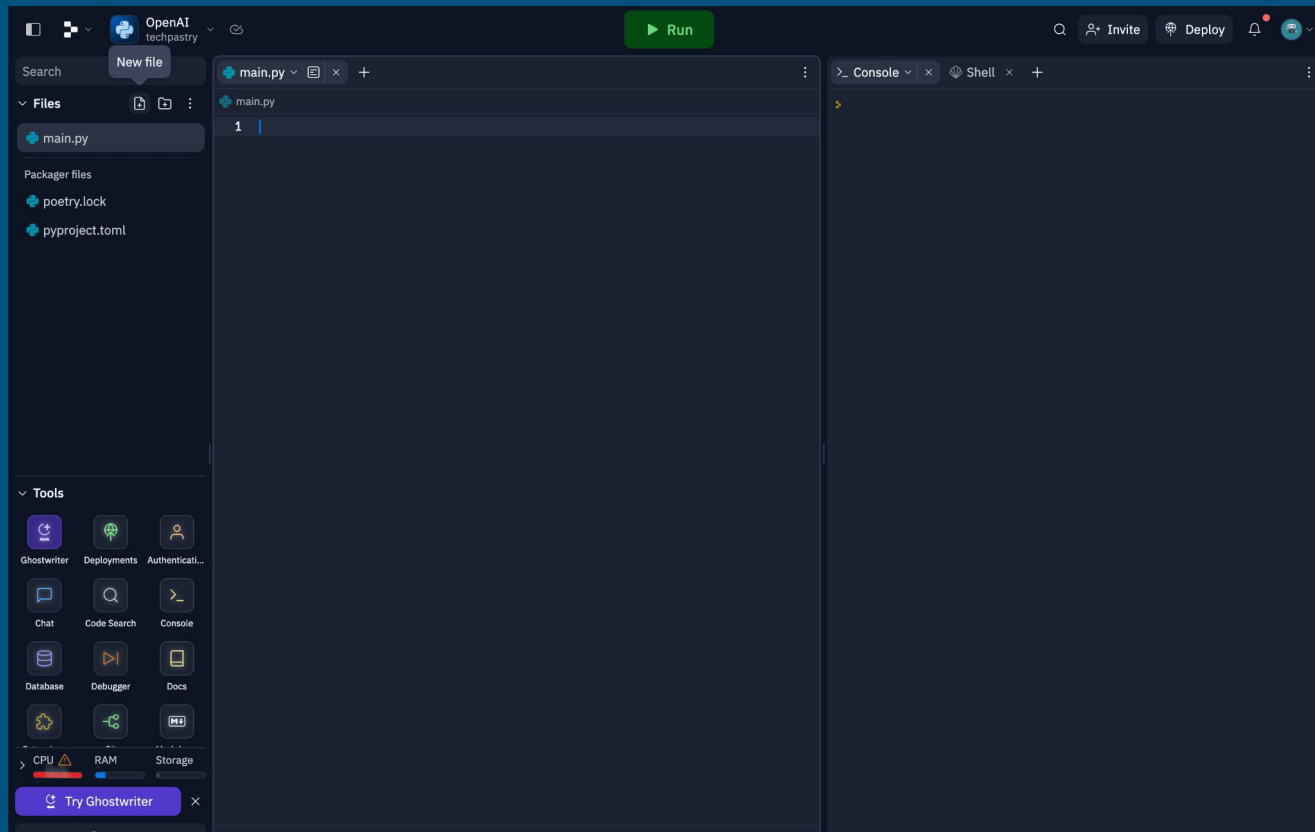
Use the button on the top right corner

The screenshot displays the Replit web application interface. On the left is a dark sidebar with navigation links: Home, Templates, My Repls, My Cycles (0), Bounties (\$65K+ Open), Community, Learn, Themes, and Teams. At the bottom of the sidebar are links for Docs, About, Pricing, Blog, Forum, Careers, Terms, and Mobile App, along with a theme selector set to 'dark' and a 'Help' link. The main content area has a top header with a search bar and a '+ Create Repl' button, which is highlighted by a red arrow. Below the header is a large banner featuring a blue ghost icon and text: 'Justin, you can now chat with a coding AI directly in your IDE.' and 'Create a new repl'. Below the banner is a 'Get started' section with three buttons: 'Learn' (Explore tutorials), 'Share' (See what people are building), and 'Code' (Create your first Repl). The 'Recent Repls' section shows 'My Repls' with buttons for '+ Create Repl', 'test', 'Miguel', 'SimpleMortgageSimulation', and 'Calculator-AST', plus 'See all Repls' and 'Explore Tutorials'. The 'Bounties' section at the bottom lists three challenges: 'AI4ALL: Build a Nostr Relay Based Hosting' (\$200.00), 'AI4ALL: Build a Bitcoin payments based' (\$200.00), and 'AI4ALL: Wrap the Clipdrop API with Lightning' (\$115.00).

Choose Python from the templates



You now have a python environment



Now with Python installed, install the OpenAI Library

In your terminal, install pip3, aka Preferred installation program or the python package manager

All OSes: <https://pip.pypa.io/en/stable/installation/>

You can install by running the command in your terminal

curl <https://bootstrap.pypa.io/get-pip.py> | python

If you followed the replit guide, it will already be installed

How to test

Go to Shell in replit or your terminal and type, pip.
This should appear

```
> Console x Shell x +
~/OpenAI$ pip

Usage:
  pip <command> [options]

Commands:
  install           Install packages.
  download          Download packages.
  uninstall         Uninstall packages.
  freeze            Output installed packages in requirem
  ements format.
  list              List installed packages.
  show              Show information about installed pa
  ckages.
  check             Verify installed packages have comp
  atible dependencies.
  config            Manage local and global configurati
  on.
  search            Search PyPI for packages.
  cache             Inspect and manage pip's wheel cach
  e.
  index             Inspect information available from
  package indexes.
  wheel             Build wheels from your requirements
  .
  hash              Compute hashes of package archives.
  completion        A helper command used for command c
  ompletion.
  debug             Show information useful for debuggi
  ng.
  help              Show help for commands.

General Options:
  -h, --help        Show help.
  --isolated         Run pip in an isolated mode,
                    ignoring environment variables
                    and user configuration.
  -v, --verbose      Give more output. Option is
                    additive, and can be used up to 3
                    times.
  -V, --version      Show version and exit.
  -q, --quiet        Give less output. Option is
                    additive, and can be used up to 3
                    times (corresponding to WARNING,
                    ERROR, and CRITICAL logging
                    levels).
  --log <path>      Path to a verbose appending log.
  --no-input         Disable prompting for input.
```


Now install the OpenAI Library

In your terminal with pip, run this command

- `pip install --upgrade openai`