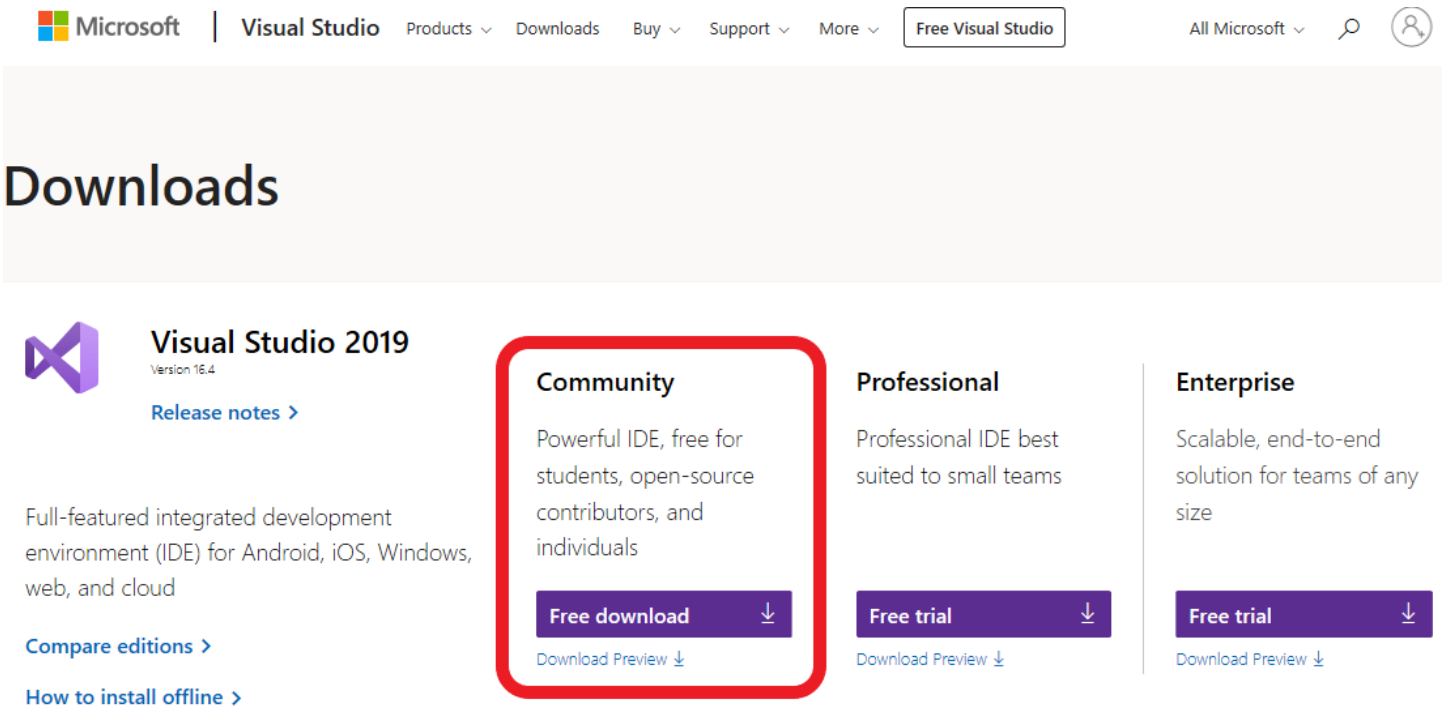
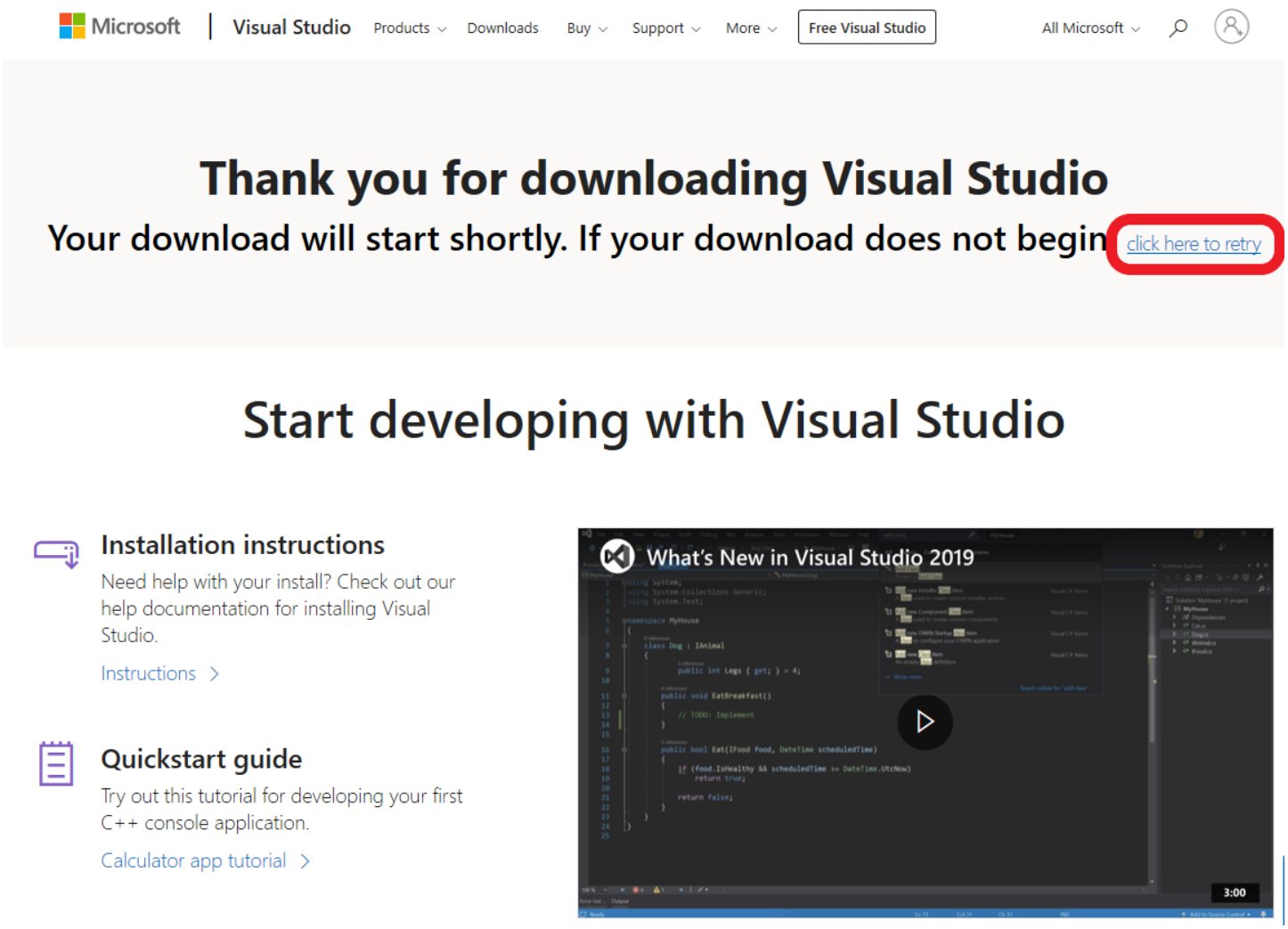
Downloading and Installing Visual Studio Community 2019

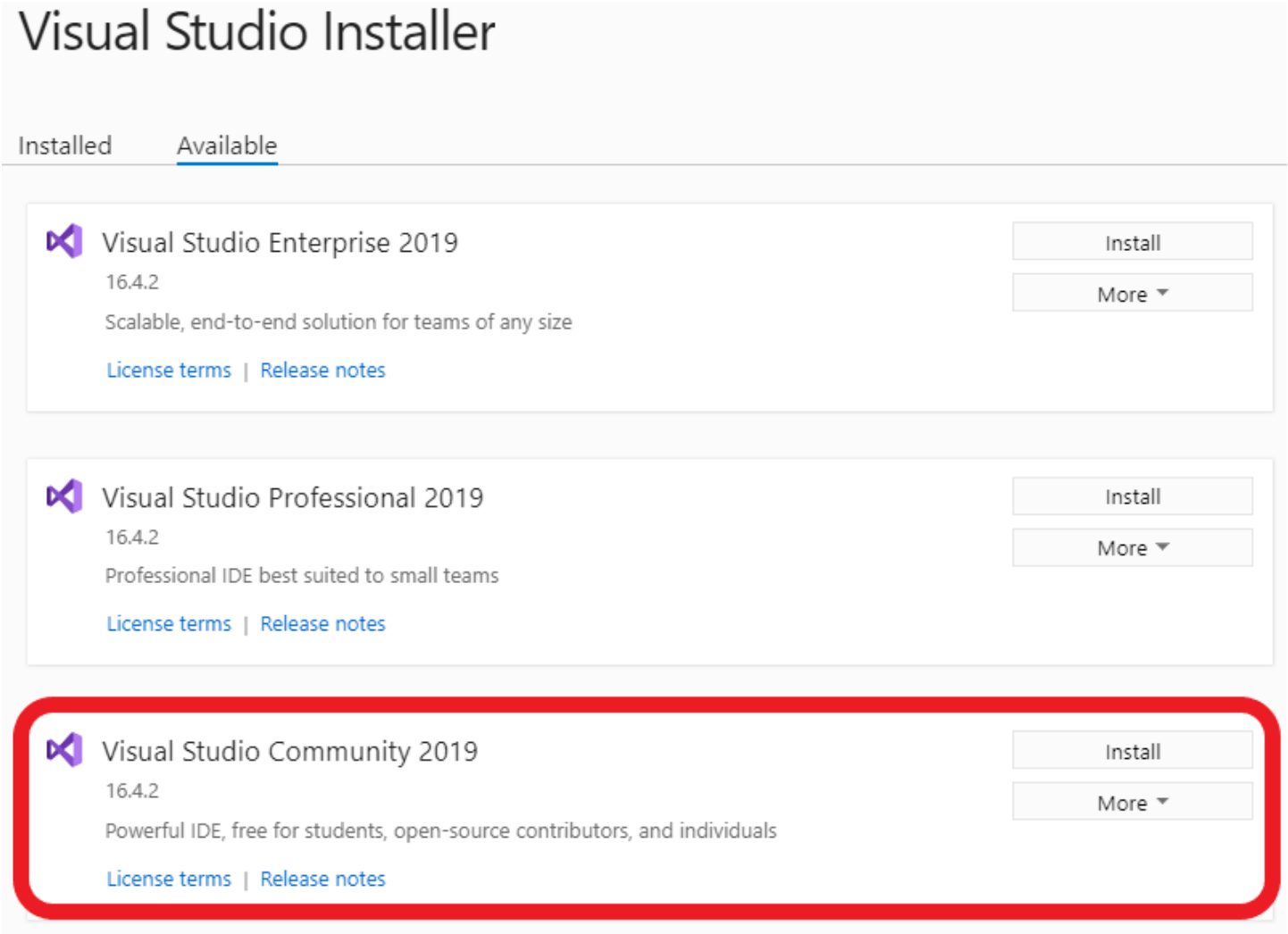
1. **Search in Google search “Visual Studio Community 2019 download”. This should bring up the download page. Click the “Free download” for the Community edition. This will download an installer that you’ll use to actually install Visual Studio.**



2. **If the download doesn't automatically start, click on "Click here to retry". The file vs_Community.exe should now be downloaded. Locate that file and run it. Follow the prompts to install the Visual Studio Installer.**



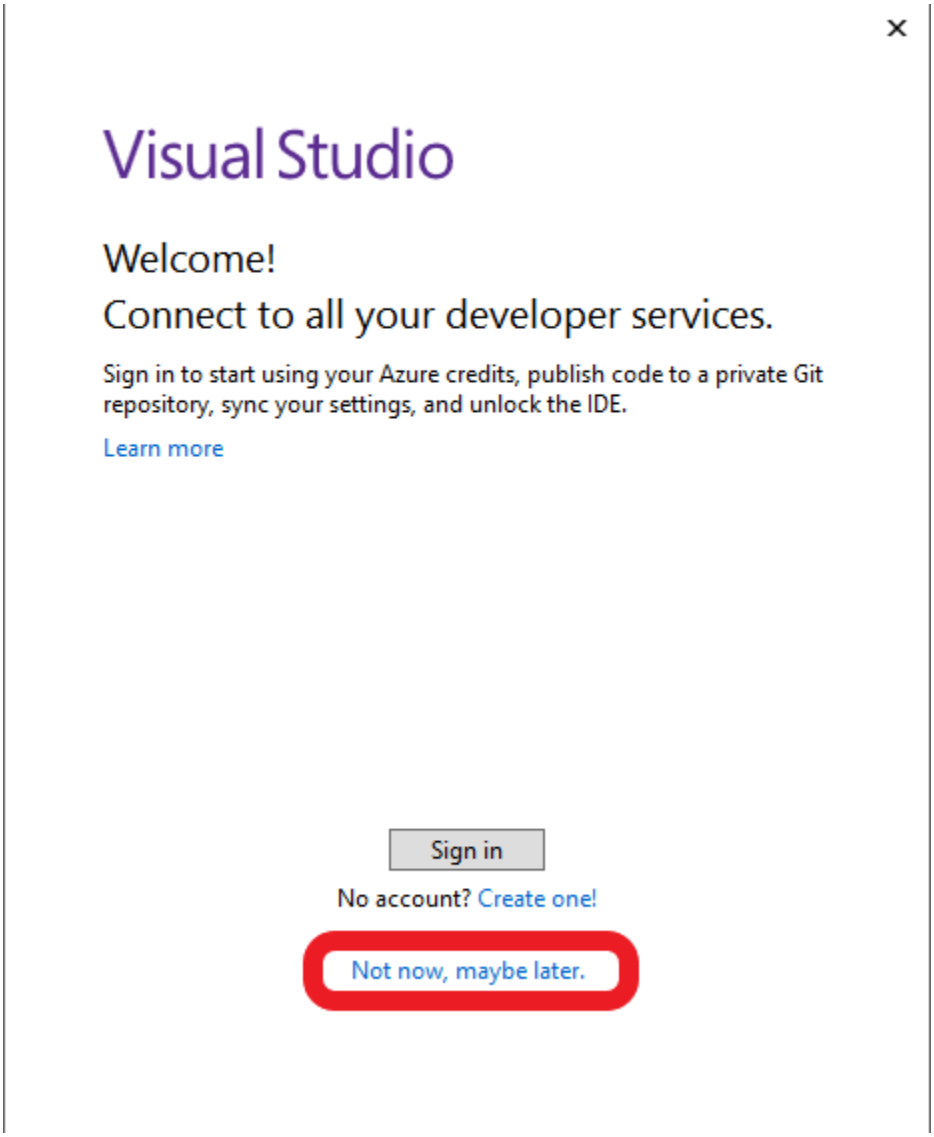
3. **Click “Install” under Visual Studio Community 2019.**



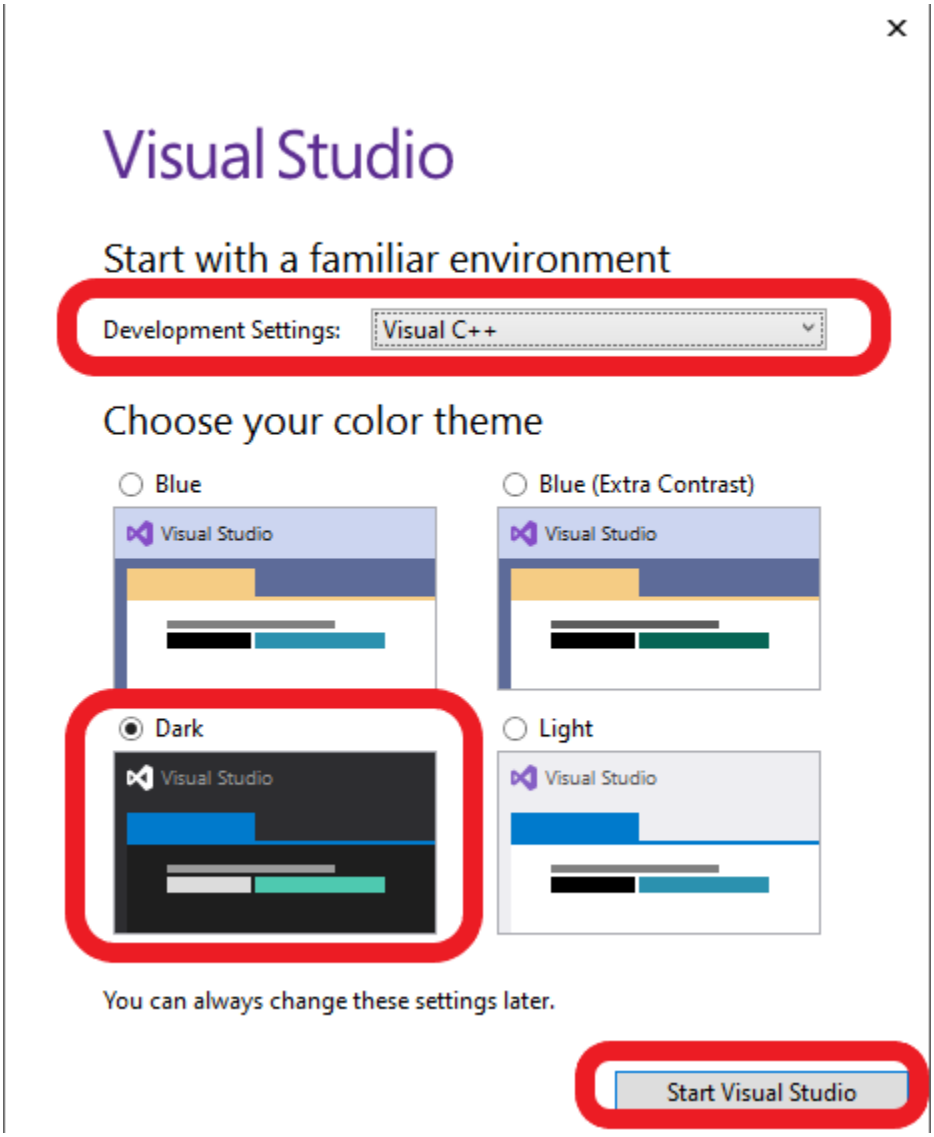
4. **The installer should automatically start once it's installed. There are many Workloads you can choose to install. With each Workload there are additional Installation details you can configure. The Workloads and associated configurations I used for my installation are shown at the end of this document.**

5. **Once all of the Workloads have been selected and the installation details specified, click install. This will kick off a large download (mine was over 5 ½ GB).**

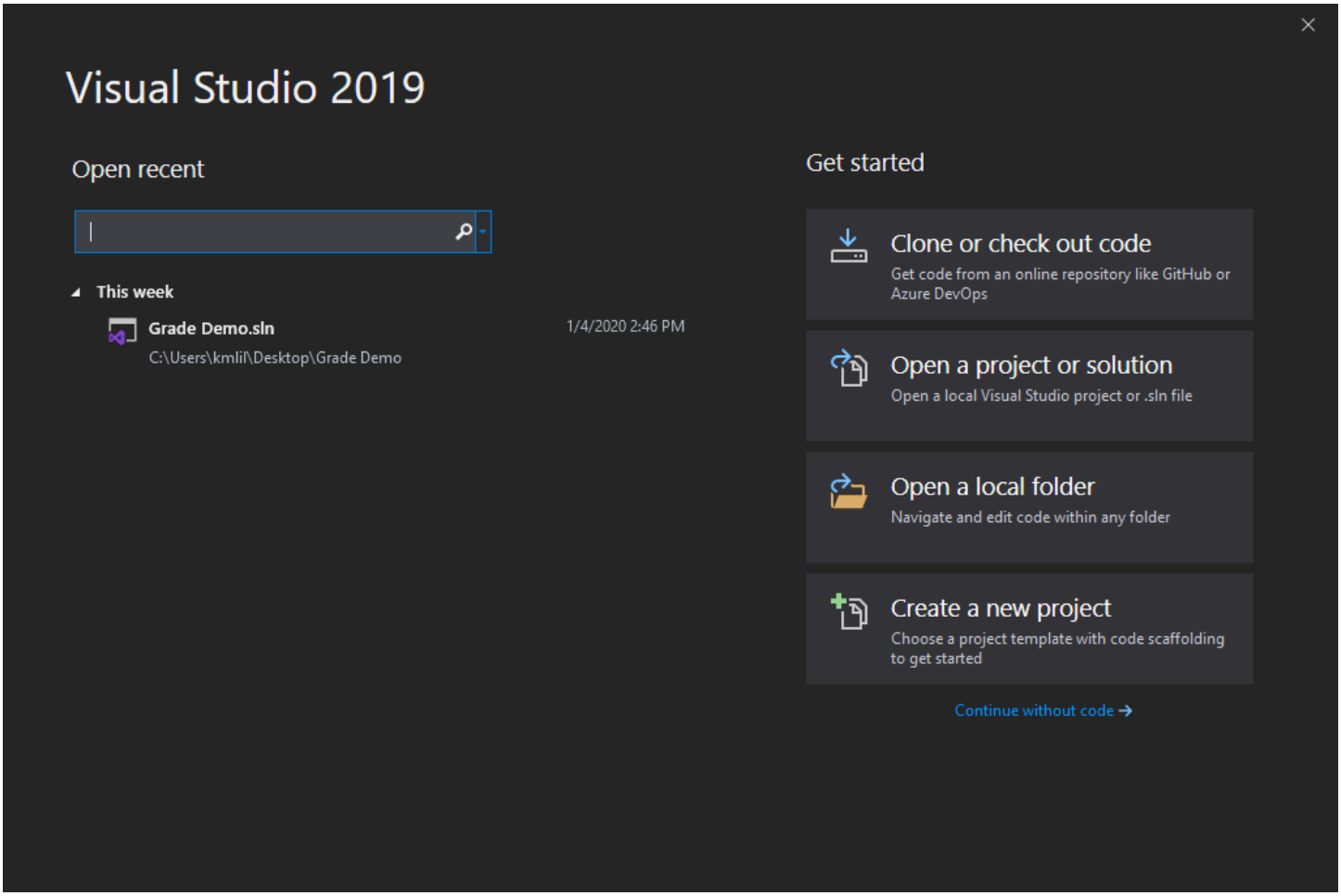
6. **The first time you run Visual Studio it will ask you to sign in to an Azure account. Click "Not now, maybe later."**



7. **Now you have to set up your development environment. You should select Development Settings for C++ and chose a color theme. I like Dark mode, but you can use whichever one you like. When you're done, click "Start Visual Studio".**

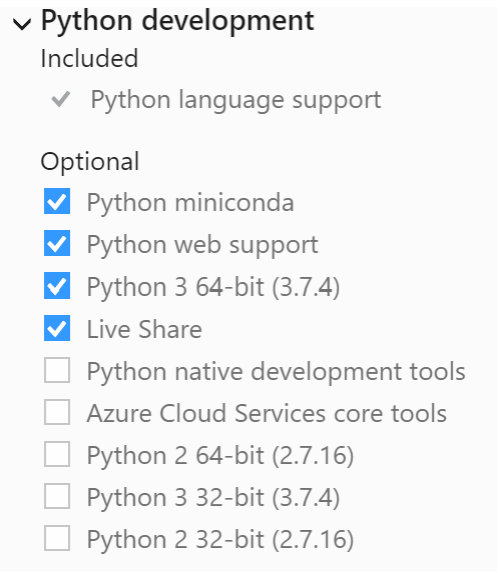


8. **Visual Studio is now running. See the separate tutorial for writing your first C++ program.**



Below are the Workloads and configurations I used.

Python

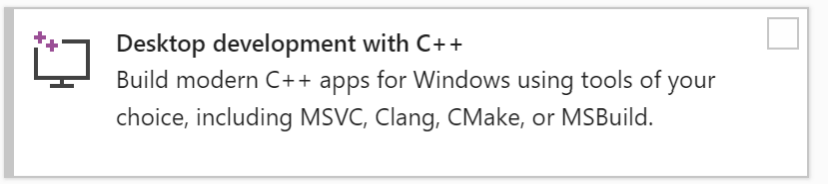


.NET desktop development

Build WPF, Windows Forms, and console applications using C#, Visual Basic, and F# with .NET Core and .NET...

Optional

- [x] .NET Core development tools
- [x] .NET Core 2.1 LTS Runtime
- [x] .NET Framework 4 – 4.6 development tools
- [x] Blend for Visual Studio
- [x] Entity Framework 6 tools
- [x] .NET profiling tools
- [x] IntelliTrace
- [x] Just-In-Time debugger
- [x] Live Unit Testing
- [x] Live Share
- [ ] F# desktop language support
- [ ] PreEmptive Protection - Dotfuscator
- [ ] .NET Framework 4.6.1 development tools
- [ ] .NET Framework 4.6.2 development tools
- [ ] .NET Framework 4.7 development tools
- [ ] .NET Framework 4.7.1 development tools
- [ ] .NET Framework 4.8 development tools
- [ ] .NET Portable Library targeting pack
- [ ] Windows Communication Foundation
- [ ] Architecture and analysis tools
- [ ] SQL Server Express 2016 LocalDB
- [ ] MSIX Packaging Tools


Desktop development with C++
Build modern C++ apps for Windows using tools of your choice, including MSVC, Clang, CMake, or MSBuild.
Desktop development with C++
Included
C++ core desktop features
Optional
MSVC v142 - VS 2019 C++ x64/x86 build tools (...
Windows 10 SDK (10.0.18362.0)
Just-In-Time debugger
C++ profiling tools
C++ CMake tools for Windows
C++ ATL for latest v142 build tools (x86 & x64)
Test Adapter for Boost.Test
Test Adapter for Google Test
Live Share
IntelliCode
IntelliTrace
C++ MFC for latest v142 build tools (x86 & x64)
C++/CLI support for v142 build tools (14.23)
C++ Modules for v142 build tools (x64/x86 – ex...
C++ Clang tools for Windows (8.0.1 - x64/x86)
IncrediBuild - Build Acceleration
Windows 10 SDK (10.0.17763.0)
Windows 10 SDK (10.0.17134.0)
Windows 10 SDK (10.0.16299.0)
MSVC v141 - VS 2017 C++ x64/x86 build tools (...
MSVC v140 - VS 2015 C++ build tools (v14.00)

Universal Windows Platform development
Create applications for the Universal Windows Platform with C#, VB, or optionally C++.

Universal Windows Platform development

Included

- Blend for Visual Studio
- .NET Native and .NET Standard
- NuGet package manager
- Universal Windows Platform tools
- Windows 10 SDK (10.0.18362.0)
- IntelliCode

Optional

- [x] IntelliTrace
- [ ] USB Device Connectivity
- [x] C++ (v142) Universal Windows Platform tools
- [x] C++ (v141) Universal Windows Platform tools
- [x] Graphics debugger and GPU profiler for DirectX
- [ ] Windows 10 SDK (10.0.17763.0)
- [ ] Windows 10 SDK (10.0.17134.0)
- [ ] Windows 10 SDK (10.0.16299.0)
- [ ] Architecture and analysis tools

Linux development with C++
Create and debug applications running in a Linux environment.