

SDSU
Computer Science
Mr. Ken Gamradt
GitHub with Visual Studio Code (.NET)
08-15-22

Overview

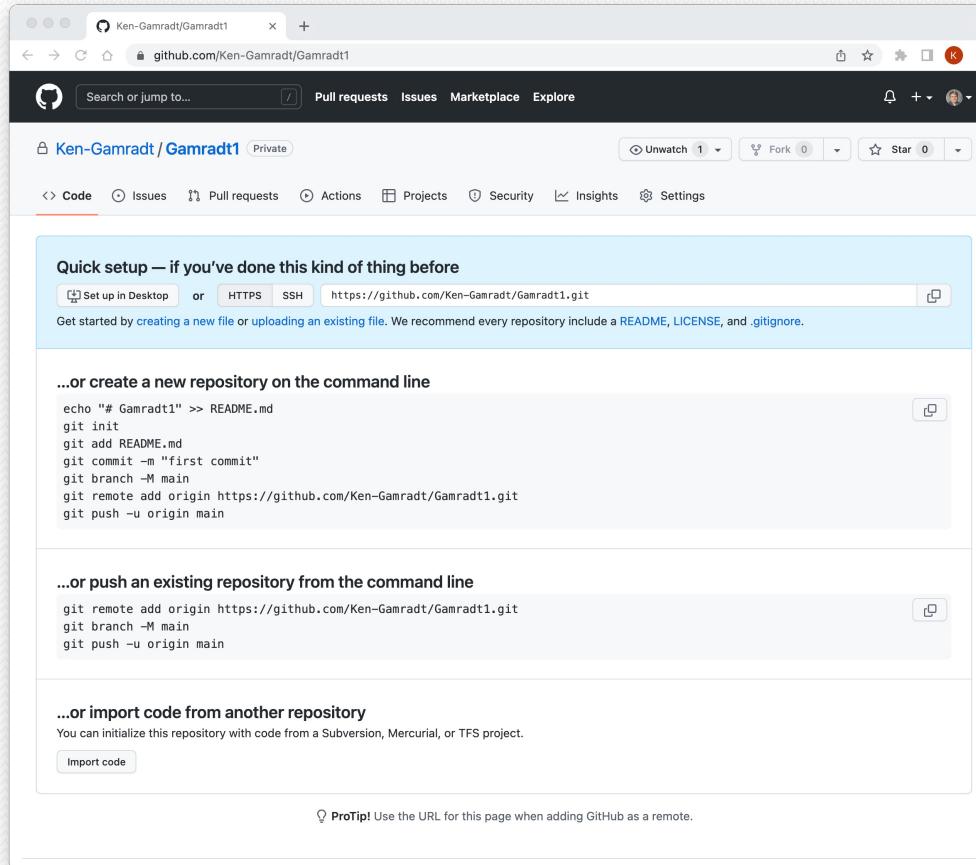
- Create a **Project**
 - Flutter, Unity, Visual Studio Code, Xcode, ...
- Create a Local **Repository**
 - Track project changes
- Determine what to **Ignore**
 - Files, Folders, ...
 - Don't need to manage all project files and folders
- Create a **Remote** Repository
 - Backup and sharing
- **Push** from Local to Remote
 - Also **Pull** from Remote to Local

Creating a GitHub Repository

A screenshot of a GitHub profile page for 'Ken-Gamradt'. The top navigation bar shows tabs for 'Overview', 'Repositories' (which is selected), 'Projects', 'Packages', and 'Stars'. Below the navigation is a search bar and filters for 'Type', 'Language', 'Sort', and a 'New' button. A large circular profile picture of Ken-Gamradt is centered. Below the picture, the text 'Ken-Gamradt doesn't have any public repositories yet.' is displayed. On the left side of the profile page, there is a sidebar with Ken-Gamradt's name, title ('Computer Science Lecturer'), follower count ('2 followers - 0 following'), and location ('South Dakota State University, Brookings, SD USA'). At the bottom of the sidebar, there is a link to his personal website ('https://www.sdsstate.edu/directory/ken-g...'). The footer contains standard GitHub links like Terms, Privacy, Security, Status, Docs, Contact GitHub, Pricing, API, Training, Blog, and About.

A screenshot of the 'Create a new repository' form on GitHub. The form includes fields for 'Owner' (set to 'Ken-Gamradt') and 'Repository name' (set to 'Gamradt1'). A note says 'Great repository names are short and memorable. Need inspiration? How about [urban-guacamole](#)?'. There is an optional 'Description' field and a choice between 'Public' and 'Private' visibility, with 'Private' selected. Under 'Initialize this repository with:', there is a checkbox for 'Add a README file' which is unchecked. Below it is a section for '.gitignore' templates, with 'None' selected. A 'Choose a license' section follows, with 'License: None' selected. A note at the bottom states 'You are creating a private repository in your personal account.' A large green 'Create repository' button is at the bottom right.

Creating a GitHub Repository



Creating a GitHub Repository

A screenshot of a GitHub user profile page for 'Ken-Gamradt'. The profile picture is a portrait of a man with grey hair. The bio section says 'Ken-Gamradt' and 'Ken-Gamradt'. Below that is the title 'Computer Science Lecturer'. The 'Edit profile' button is visible. The 'Contributions' section shows a grid for the year 2022, with one contribution marked in August. The 'Contribution activity' section shows a timeline from August 2022 to Aug 16, 2020, with a note 'Created their first repository'. The 'Popular repositories' section is empty, displaying the message 'You don't have any public repositories yet.'

A screenshot of a GitHub user profile page for 'Ken-Gamradt'. The profile picture is the same as the previous screenshot. The bio section says 'Ken-Gamradt' and 'Ken-Gamradt'. Below that is the title 'Computer Science Lecturer'. The 'Edit profile' button is visible. The 'Repositories' section shows one repository named 'Gamradt1' (Private). The 'Contribution activity' section shows a timeline from August 2022 to Aug 16, 2020, with a note 'Created their first repository'. The 'Popular repositories' section is empty, displaying the message 'You don't have any public repositories yet.'

Setting up source control

The folder currently open doesn't have a git repository. You can initialize a repository which will enable source control features powered by git.

Initialize Repository

To learn more about how to use git and source control in VS Code [read our docs](#).

You can also directly publish this folder to a GitHub repository. Once published, you'll have access to source control features powered by git and GitHub.

Publish to GitHub

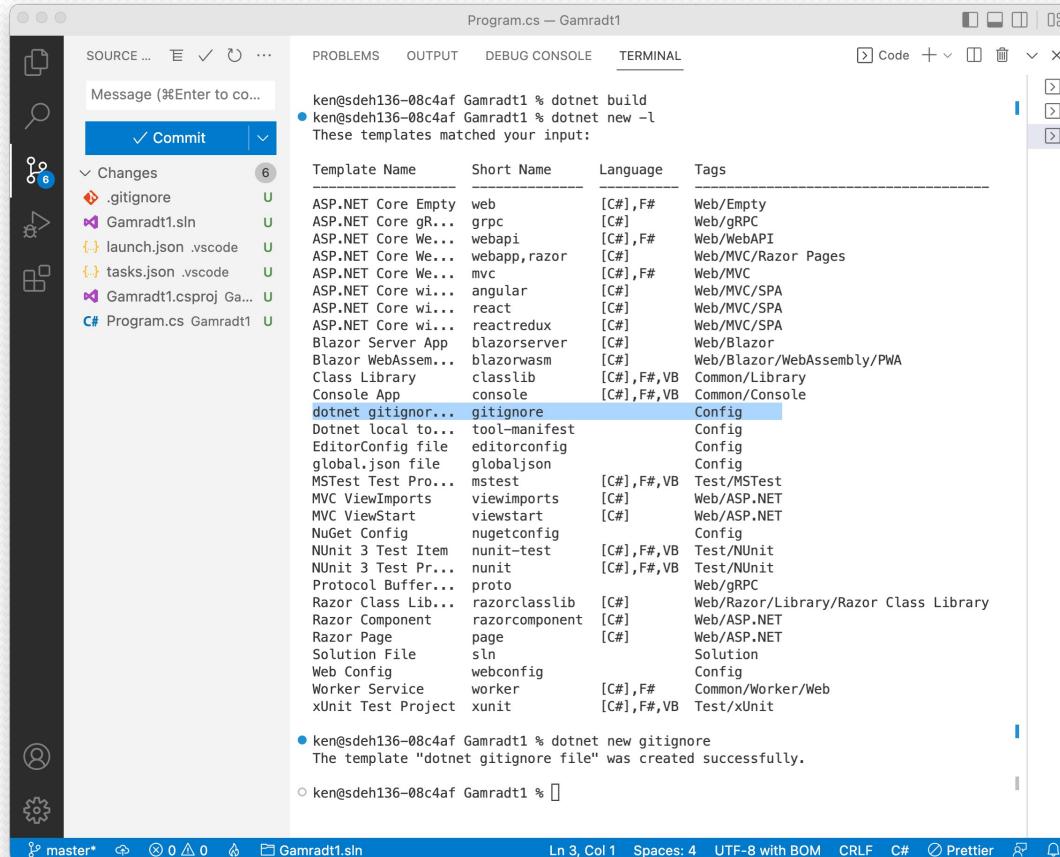
Message (⌘Enter to commit on 'master')

✓ Commit

Changes (30)

File	Status
Gamradt1.sln	U
launch.json .vscode	U
tasks.json .vscode	U
Gamradt1.csproj Gamradt1	U
Program.cs Gamradt1	U
Gamradt1 Gamradt1/bin/Debug/net6.0	U
Gamradt1.deps.json Gamradt1/bin/Debug/net6.0	U
Gamradt1.dll Gamradt1/bin/Debug/net6.0	U
Gamradt1.pdb Gamradt1/bin/Debug/net6.0	U
Gamradt1.runtimeconfig.json Gamradt1/bin/Debug/net6.0	U
Gamradt1.csproj.nuget.dgspec.json Gamradt1/obj	U
Gamradt1.csproj.nuget.g.props Gamradt1/obj	U
Gamradt1.csproj.nuget.g.targets Gamradt1/obj	U
project.assets.json Gamradt1/obj	U
project.nuget.cache Gamradt1/obj	U
.NETCoreApp,Version=v6.0.AssemblyAttributes.cs Gamradt1/obj/Debu...	U
apphost Gamradt1/obj/Debug/net6.0	U
Gamradt1.AssemblyInfo.cs Gamradt1/obj/Debug/net6.0	U
Gamradt1.AssemblyInfoInputs.cache Gamradt1/obj/Debug/net6.0	U
Gamradt1.assets.cache Gamradt1/obj/Debug/net6.0	U
Gamradt1.csproj.AssemblyReference.cache Gamradt1/obj/Debug/net...	U
Gamradt1.csproj.CoreCompileInputs.cache Gamradt1/obj/Debug/net6.0	U
Gamradt1.csproj.FileListAbsolute.txt Gamradt1/obj/Debug/net6.0	U
Gamradt1.dll Gamradt1/obj/Debug/net6.0	U
Gamradt1.GeneratedMSBuildEditorConfig.editorconfig Gamradt1/obj...	U
Gamradt1.genruntimeconfig.cache Gamradt1/obj/Debug/net6.0	U

Setting up source control



The screenshot shows the VS Code interface with the following details:

- Title Bar:** Program.cs — Gamradt1
- Activity Bar (Left):** Shows 6 open files: .gitignore, Gamradt1.sln, launch.json, tasks.json, Gamradt1.csproj, and Program.cs.
- Terminal Tab:** Displays command-line output:
 - ken@sdeh136-08c4af Gamradt1 % dotnet build
 - ken@sdeh136-08c4af Gamradt1 % dotnet new -l
 - These templates matched your input:
- Code Editor:** Shows a table of available templates for creating new files or projects. The "dotnet gitignore..." template is selected (highlighted in blue).

Template Name	Short Name	Language	Tags
ASP.NET Core Empty	web	[C#],F#	Web/Empty
ASP.NET Core gRPC	grpc	[C#]	Web/gRPC
ASP.NET Core Web API	webapi	[C#],F#	Web/WebAPI
ASP.NET Core Web App	webapp,razor	[C#]	Web/MVC/Razor Pages
ASP.NET Core Web API	mvc	[C#],F#	Web/MVC
ASP.NET Core Web API	angular	[C#]	Web/MVC/SPA
ASP.NET Core Web API	react	[C#]	Web/MVC/SPA
ASP.NET Core Web API	reactredux	[C#]	Web/MVC/SPA
Blazor Server App	blazorserver	[C#]	Web/Blazor
Blazor WebAssembly App	blazorwasm	[C#]	Web/Blazor/WebAssembly/PWA
Class Library	classlib	[C#],F#,VB	Common/Library
Console App	console	[C#],F#,VB	Common/Console
dotnet gitignore...	gitignore		Config
Dotnet local tool...	tool-manifest		Config
EditorConfig file	editorconfig		Config
global.json file	globaljson		Config
MSTest Test Project	mstest	[C#],F#,VB	Test/MSTest
MVC ViewImports	viewimports	[C#]	Web/ASP.NET
MVC ViewStart	viewstart	[C#]	Web/ASP.NET
NuGet Config	nugetconfig		Config
NUnit 3 Test Item	nunit-test	[C#],F#,VB	Test/NUnit
NUnit 3 Test Project	nunit	[C#],F#,VB	Test/NUnit
Protocol Buffer...	proto		Web/gRPC
Razor Class Library	razorclasslib	[C#]	Web/Razor/Library/Razor Class Library
Razor Component	razorcomponent	[C#]	Web/ASP.NET
Razor Page	page	[C#]	Web/ASP.NET
Solution File	sln		Solution
Web Config	webconfig		Config
Worker Service	worker	[C#],F#	Common/Worker/Web
xUnit Test Project	xunit	[C#],F#,VB	Test/xUnit
- Terminal Output:**
 - ken@sdeh136-08c4af Gamradt1 % dotnet new gitignore
 - The template "dotnet gitignore" was created successfully.
 - ken@sdeh136-08c4af Gamradt1 %
- Bottom Status Bar:** master* ↕ 0 △ 0 ⏪ Gamradt1.sln Ln 3, Col 1 Spaces: 4 UTF-8 with BOM CRLF C# ⚙ Prettier ⌂ ⌂

Setting up source control

The image shows two side-by-side views of the Source Control panel in Visual Studio Code, illustrating the commit process.

Left View (Initial State):

- SOURCE CONTROL** tab is selected.
- Message:** "Message (⌘Enter to commit on 'master')".
- Commit Buttons:** "✓ Commit" (blue) and "Changes" (dropdown).
- Changes List:** Shows 6 staged changes:
 - !.gitignore (U)
 - Gamradt1.sln (U)
 - launch.json .vscode (U)
 - tasks.json .vscode (U)
 - Gamradt1.csproj Gamradt1 (U)
 - C# Program.cs Gamradt1 (U)

Right View (After Commit):

- SOURCE CONTROL** tab is selected.
- Message:** "Initial Commit".
- Commit Buttons:** "✓ Commit" (blue) and "Changes" (dropdown).
- Changes List:** Shows 6 staged changes:
 - !.gitignore (A)
 - Gamradt1.sln (A)
 - launch.json .vscode (A)
 - tasks.json .vscode (A)
 - Gamradt1.csproj Gamradt1 (A)
 - C# Program.cs Gamradt1 (A)

Setting up source control

```
[2022-08-16T14:04:09.786Z] > git -c user.useConfigOnly=true commit --quiet --allow-empty-message  
--file - [9ms]
```

```
[2022-08-16T14:04:09.786Z] Author identity unknown
```

```
*** Please tell me who you are.
```

Run

```
git config --global user.email "you@example.com"  
git config --global user.name "Your Name"
```

to set your account's default identity.

Omit --global to set the identity only in this repository.

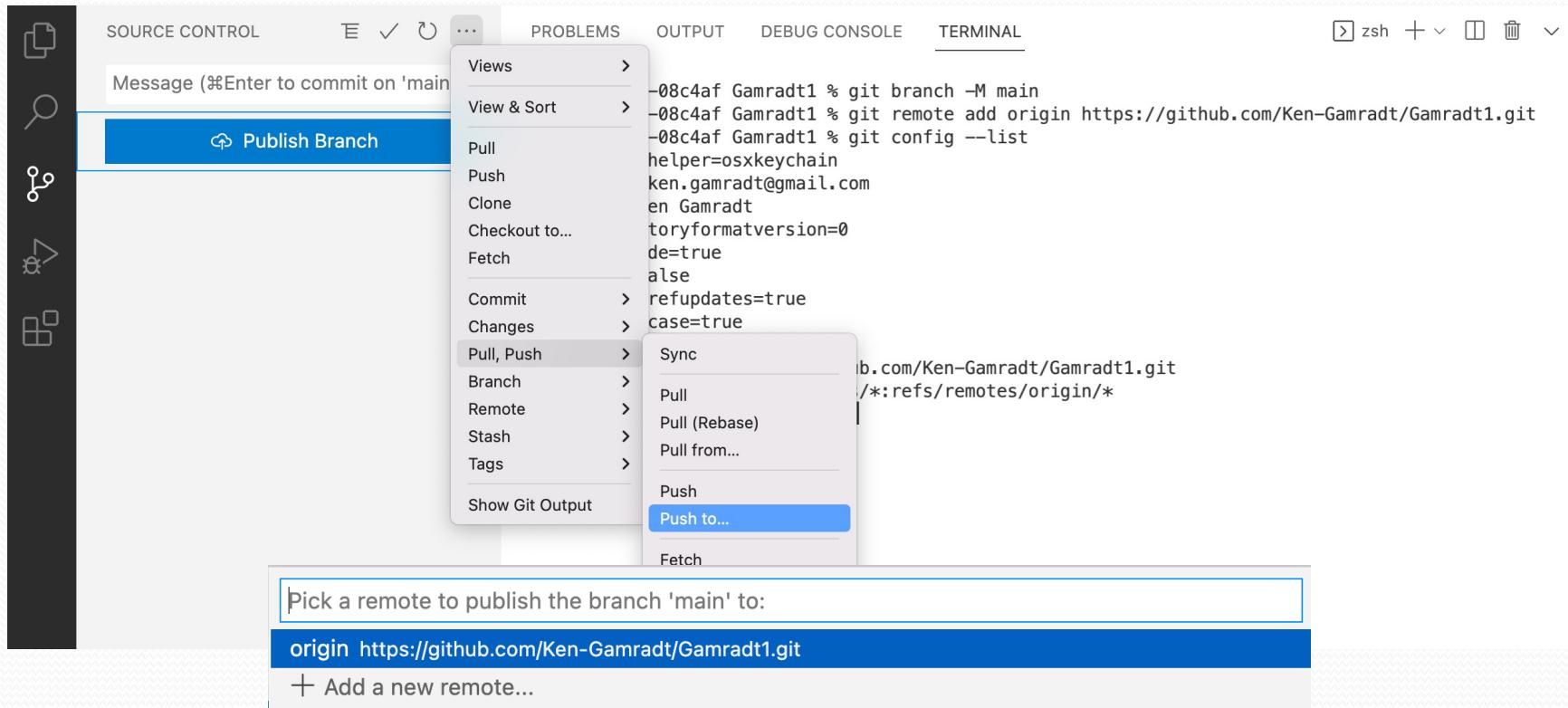
```
fatal: no email was given and auto-detection is disabled
```

```
[2022-08-16T14:04:09.796Z] > git config --get-all user.name [9ms]
```

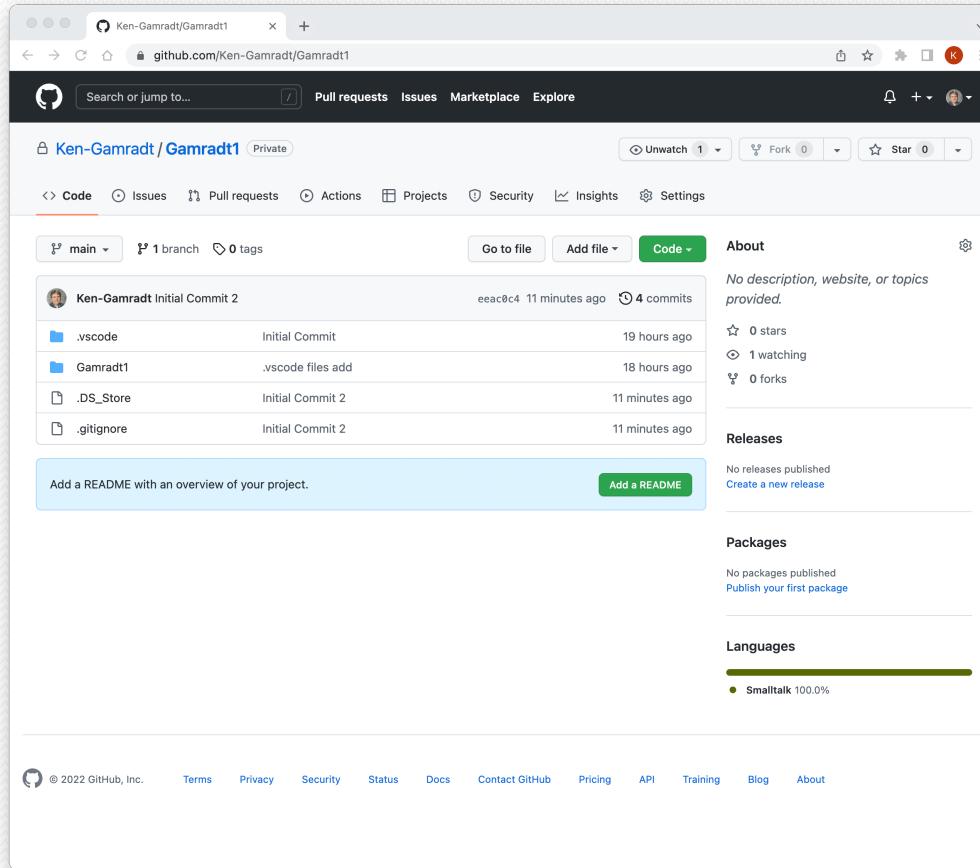
Setting up source control

- ken@sdeh136-08c4af Gamradt1 % git config --global user.email "ken.gamradt@gmail.com"
- ken@sdeh136-08c4af Gamradt1 % git config --global user.name "Ken Gamradt"
- ken@sdeh136-08c4af Gamradt1 % git config --list
 - credential.helper=osxkeychain
 - user.email=ken.gamradt@gmail.com
 - user.name=Ken Gamradt
 - core.repositoryformatversion=0
 - core.filemode=true
 - core.bare=false
 - core.logallrefupdates=true
 - core.ignorecase=true
 - core.precomposeunicode=true
- ken@sdeh136-08c4af Gamradt1 %

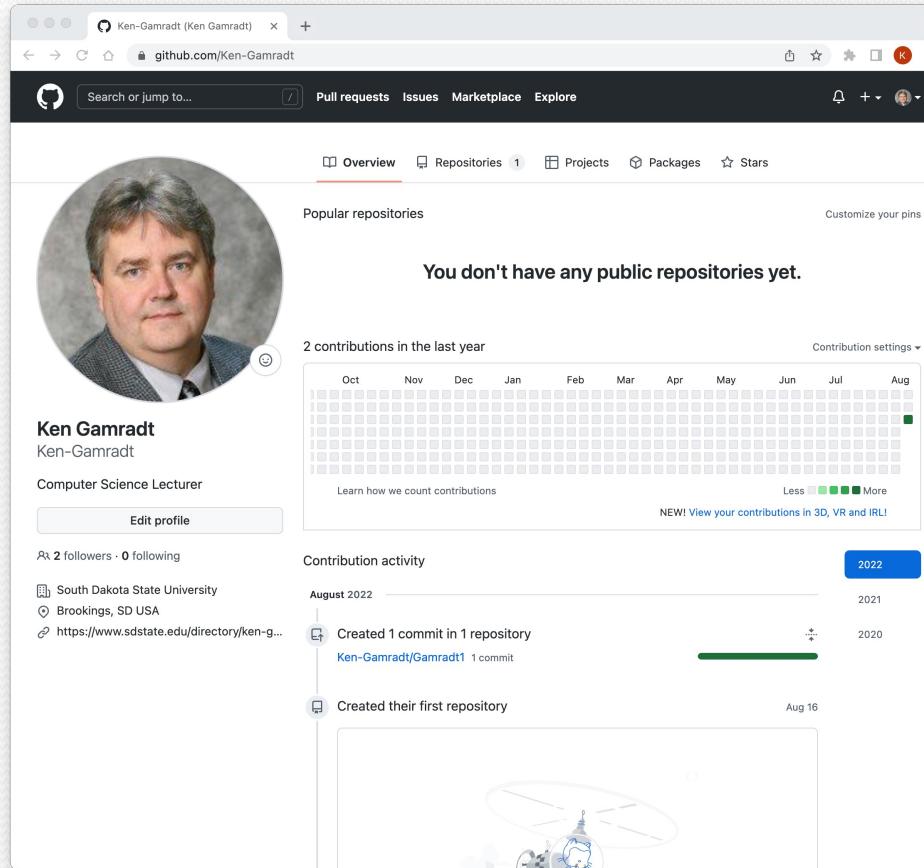
Setting up source control



Setting up source control



Setting up source control



Adding a Collaborator

The screenshot shows a GitHub repository settings page for a private repository named "Ken-Gamradt/Gamradt1". The URL is https://github.com/Ken-Gamradt/Gamradt1/settings/access?guidance_task=. A red box highlights a success message: "ken.gamradt@sdstate.edu has been added as a collaborator on the repository." Another red box highlights the "Collaborators" tab under the "Who has access" section. A third red box highlights the "Add people" button in the "Manage access" section.

Manage access

ken.gamradt@sdstate.edu has been added as a collaborator on the repository.

Ken-Gamradt / Gamradt1 (Private)

Unwatch 1 Fork 0 Star 0

Code Issues Pull requests Actions Projects Security Insights Settings

General

Access

Collaborators

PRIVATE REPOSITORY

Only those with access to this repository can view it.

Manage

DIRECT ACCESS

1 has access to this repository. 0 collaborators. 1 invitation.

Add people

Select all

Find a collaborator...

gamradtk Pending Invite Remove

Integrations

Adding a Collaborator

The screenshot shows a web browser window with the URL <https://github.com/settings/organizations>. The page is titled "Organizations". On the left, there's a sidebar with links like "Public profile", "Account", "Appearance", "Accessibility", "Notifications", "Access", "Billing and plans", "Emails", "Password and authentication", "SSH and GPG keys", "Organizations" (which is highlighted with a blue bar), and "Moderation". The main content area has sections for "Organizations" and "Transform account". In the "Organizations" section, there's a card for "Gamradt1" with a warning icon and the text "Invitation expires in 7 days.". Below this is a button to "Turn gamradtk into an organization". The top right corner shows a user profile for "Signed in as gamradtk" with options like "Set status", "Your profile", "Your repositories", "Your codespaces", "Your organizations" (which is highlighted with a red box), "Your projects", "Your stars", "Your gists", "Upgrade", "Feature preview", "Help", "Settings", and "Sign out". The bottom left shows the full URL again: <https://github.com/settings/organizations>.

Adding a Collaborator

The screenshot shows a web browser window with the GitHub 'Organizations' settings page. The URL in the address bar is `github.com/settings/organizations`. The left sidebar has a navigation menu with the following items:

- Public profile
- Account
- Appearance
- Accessibility
- Notifications
- Access
- Billing and plans
- Emails
- Password and authentication
- SSH and GPG keys
- Organizations** (selected)
- Moderation

The main content area is titled "Organizations". It displays a single invitation card for "Gamradt1" with the message "Invitation expires in 7 days." and two buttons: "Join" and "Decline". A red box highlights this invitation card.

Adding a Collaborator

A screenshot of a web browser showing a GitHub invitation page. The URL in the address bar is `github.com/Ken-Gamradt/Gamradt1/invitations`. The top right corner of the browser window has a red box around it. The GitHub interface shows the repository `Ken-Gamradt / Gamradt1` (Private). The main content area displays a profile picture of a man and a yellow plus sign icon, followed by the text "Ken-Gamradt invited you to collaborate". Below this are two buttons: "Accept invitation" (highlighted with a red box) and "Decline". A section titled "Owners of Gamradt1 will be able to see:" lists five items: "Your public profile information", "Certain activity within this repository", "Country of request origin", "Your access level for this repository", and "Your IP address". At the bottom, there is a question "Is this user sending spam or malicious content?" with a "Block Ken-Gamradt" link.

Accept invitation Decline

Owners of Gamradt1 will be able to see:

- Your public profile information
- Certain activity within this repository
- Country of request origin
- Your access level for this repository
- Your IP address

Is this user sending spam or malicious content?
[Block Ken-Gamradt](#)

Adding a Collaborator

The screenshot shows a GitHub repository settings page for a private repository named "Ken-Gamradt/Gamradt1". The "Settings" tab is selected. On the left, a sidebar lists repository management sections: General, Access (Collaborators selected), Code and automation (Branches, Tags, Actions, Webhooks, Pages), Security (Code security and analysis, Deploy keys, Secrets), and Integrations (GitHub apps, Email notifications). The main area is titled "Who has access" and shows two sections: "PRIVATE REPOSITORY" (Only those with access to this repository can view it) and "DIRECT ACCESS" (1 has access to this repository. 0 collaborators, 1 invitation). A "Manage" button is present under the PRIVATE REPOSITORY section. Below this is a "Manage access" section with a "Select all" checkbox, a search bar ("Find a collaborator..."), and a list of users. One user, "gamtadtk", is listed with a pending invite status ("Awaiting gamtadtk's response") and a "Pending Invite" button. The entire list item for "gamtadtk" is highlighted with a red box.

Adding a Collaborator

The screenshot shows a GitHub repository settings page for a private repository named "Ken-Gamradt/Gamradt1". The user is navigating through the "Access" section, specifically the "Collaborators" tab. A red box highlights the "Manage" link under the "PRIVATE REPOSITORY" section. Another red box highlights the "gamradtk" entry in the "Manage access" list, which includes a checkbox, a profile picture, the name "gamradtk", and the role "Collaborator".

Manage access

https://github.com/Ken-Gamradt/Gamradt1/settings/access?guidance_task=

Search or jump to... Pull requests Issues Marketplace Explore

Ken-Gamradt / Gamradt1 Private

Code Issues Pull requests Actions Projects Security Insights Settings

General

Access

Collaborators

Code and automation

Branches Tags Actions Webhooks Pages

Security

Code security and analysis Deploy keys Secrets

Integrations GitHub apps Email notifications

Who has access

PRIVATE REPOSITORY

Only those with access to this repository can view it.

Manage

DIRECT ACCESS

1 has access to this repository. 1 collaborator.

Add people

Select all Type ▾

Find a collaborator...

gamradtk Collaborator Remove

Previous Next >

Adding a Collaborator

The screenshot shows a GitHub user profile page. On the left, there's a sidebar with 'Recent Repositories' (Ken-Gamradt/Gamradt1 highlighted with a red box) and 'Recent activity'. The main area has tabs for 'Following' (selected) and 'For you (Beta)'. A large box titled 'Introduce yourself' contains instructions and a sample README.md file:

```
gamradtk / README.md
```

1 - 🌟 Hi, I'm @gamradtk
2 - 👀 I'm interested in ...
3 - 🌱 I'm currently learning ...
4 - 💕 I'm looking to collaborate on ...
5 - 📩 How to reach me ...
6

At the bottom right of this box are 'Dismiss this' and 'Continue' buttons.

Discover interesting projects and people to populate your personal news feed.

Your news feed helps you keep up with recent activity on repositories you

Adding a Collaborator

The screenshot shows a GitHub repository page for 'Ken-Gamradt/Gamradt1'. The 'Code' tab is selected. A red box highlights the 'Download ZIP' button in the 'Code' dropdown menu. Another red box highlights the 'Collaborators' icon in the top right corner of the header.

Ken-Gamradt / Gamradt1 (Private)

Code Issues Pull requests Actions Projects Security Insights

main ▾

Go to file Add file ▾ Code ▾

Clone

HTTPS SSH GitHub CLI

<https://github.com/Ken-Gamradt/Gamradt>

Use Git or checkout with SVN using the web URL.

Open with GitHub Desktop

Download ZIP

No description, website, or topics provided.

0 stars 1 watching 0 forks

Releases

No releases published [Create a new release](#)

Packages

No packages published

Conclusion

- Congratulations!!!
- You are now ready to use:
 - Git
 - GitHub
- You are ready to:
 - Create an online portfolio
 - Backup your work offsite
 - Collaborate with others