## How to Connect Visual Studio Code to attu

Suggestion: Before you start, it's strongly suggested that you have GitLab setup on attu, as VSCode will connect to it using SSH. Make sure you can locate the cse333-20su-YOURNETID folder because we will be using it in a later step.

1. Download VSCode from <a href="https://code.visualstudio.com/Download">https://code.visualstudio.com/Download</a>

| 📢 Visual Studio Code 🛛 Doc | s Updates Blog                 | API Extensions Fi         | AQ                     | Search Docs   | ⊥ Download |
|----------------------------|--------------------------------|---------------------------|------------------------|---------------|------------|
|                            |                                |                           |                        |               |            |
|                            | Dowr                           | nload Visu                | al Studio Co           | de            |            |
| F                          | ree and built on o             | open source. Integr       | ated Git, debugging an | d extensions. |            |
|                            |                                |                           |                        |               |            |
|                            |                                |                           |                        |               |            |
|                            |                                | ۶                         | l                      | 4             |            |
|                            |                                | 4                         | 2                      |               |            |
| ± Wi                       | ndows                          | ± .deb                    | ⊥ .rpm                 | ↓ Mac         |            |
| Windows                    | 7, 8, 10                       | Debian, Ubuntu            | Red Hat, Fedora, SUSE  | macOS 10.10+  |            |
| User Installer             | 64 bit 32 bit                  | .deb                      | 64 bit<br>64 bit       |               |            |
| System Installer           | 64 bit 32 bit                  | .rpm                      |                        |               |            |
|                            | 64 bit 32 bit<br>64 bit 32 bit | .rpm<br>.tar.gz<br>Snap 5 | 64 bit                 |               |            |

2. Click on the Extensions tab on the side (looks like three blocks with a fourth being added).



3. Search for "Remote – SSH" and install.

| <b>A</b>       | Ela Edit Calastian Vian   | Go Run Terminal Help Extension: Remote SSI   |       | п | × |   |
|----------------|---|--|-------|---|---|---|
|                | File Latt selection View  | Go Kun Terminal Heip Extension Kennete Net United Value Multio Code     Extension Remote - Skill ×   |       |   |   |   |
| Q              |   | In Catalogy Related and the  |       | - |   |   |
| H<br>2000<br>H | ssh<br>Destant rober of a f<br>Microsoft<br>SSH FS 17/20<br>File system provider us<br>Kolvin Schools<br>Remote - SSH donce<br>Edit SSH configuration | Remote - SSH ma social immoleration and the social formation of the social for |       |   |   |   |
| 5              | Remote 2020.3/2660<br>Open any folder on a r<br>Microsoft Install<br>Remote - SSH: 0510<br>(Deprecated) Provides                                      | Visual Studio Code Remote - SSH The Remote - SNH The Remote - SNH extendion letty you use any remote machine with a SNH eaver as your development environment. This can great simplify development and extended endering in a wide varianty of situations. You can:  |       |   |   |   |
|                | Nicrosoft Inen.<br>Terminal SSH 02.3<br>Terminal SSH<br>sailhenz Instal<br>Pory SSH 060<br>Blazingly fast SSH editi<br>Thingalon Invit                | Develop on the same operating system you deploy to or use larger. faster, or more specialized hardware than your local machine.     Quickly snap between different, remove development environments and safely make updates without womying shout impact<br>your local machine.     Access an existing development environment from multiple machines or locations.     Access an existing development environment from the sub at a subtrast de or in the doud.   | ng    |   |   | There are other<br>SSH options as<br>well, but this one |
|                | SSH Tooling 0.04<br>Edit SSH config and la<br>Christof Marti Instal<br>Remote X11 (SS 101   | No source code needs to be on your local machine to gain these benefits since the extension runs commands and other extensions<br>directly on the remote machine. You can spen any folder on the nervoe machine and work with kiputs a you would if the folder we<br>or your own machine.  |       |   |   | is simple to setup                                      |
| ***            | Enables X11 forwardin<br>Joel Spadin Ineet<br>upload-files-ssh own<br>Cemerae are then para<br>Pressee @ 0 A 0  | () nit for black to be 50 black to 50 bl   | ×<br> | R | 0 |   |

- 4. Open the command palette with one of the following:
  - a. F1
  - b. Cmd-Shift-P or Ctrl-Shift-P
  - c. Go to View tab at the top  $\rightarrow$  Command Palette
- 5. Type in "Connect to Host" and select the "Remote SSH: Connect to Host..." option.
  - a. It may not be the first one in the list

| × F | ile Edit Selection View Go Ro                    | un Terminal Help Visual Studio Code               |                      | – <b>a</b> ×                  |
|-----|--|---|----------------------|-------------------------------|
| Q   | EXTENSIONS III ····                              | >connect  |                      |                               |
|     | ssh  | Remote SSH: Connect to Host                       | recently used        | "Remote SSH: Connect to Host" |
| P   | Remote - SSH 0.510                               | Remote SSH: Kill Local Connection Server For Host | other commands       |                               |
| g.o | Open any folder on a r<br>Microsoft              |   |                      |                               |
| -   | SSH FS 1.17.0                                    |   |                      |                               |
| d,  | File system provider us<br>Kelvin Schoots Incal  |   |                      |                               |
| ₿   | Remote - SSH: out.c<br>Edit SSH configuration    |   |                      |                               |
| Ε   | Microsoft @                                      |   |                      |                               |
| G   | Remote 2020.3/2660<br>Open any folder on a r     |   |                      |                               |
|     | Microsoft Install                                |   |                      |                               |
|     | Remote - SSH: 0.51.0<br>(Deprecated) Provides    |   |                      |                               |
|     | Microsoft Install                                |   |                      |                               |
|     | Terminal SSH opport<br>Terminal SSH              | Show All Commands                                 | Cttl + Shift = P     |                               |
|     | sailhenz Install                                 | Go to File  | CH I P               |                               |
|     | Pony SSH cso<br>Blazingly fast SSH editi         |   | Cell i Saite - F     |                               |
|     | Thingalon Install                                | Start Debugging                                   |                      |                               |
|     | SSH Tooling 0.0.4<br>Edit SSH config and la      |   |                      |                               |
|     | Christof Marti Install<br>Remote X11 (SS., 1.6.1 | Toggle Terminal                                   | <u>CH</u> + <u>*</u> |                               |
|     | Enables X11 forwardin                            |   |                      |                               |
|     | Joel Spadin Install<br>upload-files-ssh 0.50     |   |                      |                               |
|     | Camadian and likos para                          |   |                      |                               |
| × 1 | Prmaster ⊗0∧0                                    |   |                      | R D                           |

- 6. Type the path to ssh into attu with your NetID, "[NetID]@attu.cs.washington.edu" without the square brackets or quotations marks, then press enter
  - a. If a popup appears asking "Choose a platform", click on Linux

| ile Edit Selection View Go I  |   | - a |   |
|---|---|-----|---|
| EXTENSIONS  | Select configured SSH host or enter user@host                     |     |   |
| ssh   | NETID@attu.cs.washington.edu                                      |     |   |
| Remote - SSH 0.510<br>Open any folder on a r<br>Microsoft               | NETD @4ttuckswahington.edu     Add New SSH Host Configue SSH Host |     |   |
| SSH FS 1.17.0<br>File system provider us<br>Kelvin Schoofs Install      |   |     |   |
| Remote - SSH: ost.c<br>Edit SSH configuration<br>Microsoft              |   |     |   |
| Remote 2020.372660<br>Open any folder on a r<br>Microsoft Instal        |   |     |   |
| Remote - SSH: 0.51.0<br>(Deprecated) Provides<br>Microsoft              |   |     |   |
| Terminal SSH optimized<br>Terminal SSH<br>sailhenz Install              | Show All Commands Ett + Sait - P                                  |     |   |
| Pony SSH oso<br>Blazingly fast SSH editi                                | Gn to File CH   P   |     |   |
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| Edit 55H config and la<br>Christof Marti Instal                         | loggle terminal CEH + S   |     |   |
| Remote X11 (SS., 10.1<br>Enables X11 forwardin.,<br>Joel Spadin Install |   |     |   |
| upload-files-ssh own<br>Carracter articles para                         |   |     | R |

7. Enter your password, then press enter.

| File Edit Selection View           | Go Run Terminal Help   | – <b>I</b> ×   |  |  |  |
|------------------------------------|--|--|--|--|--|
|                                    | Weture Enter Password for NETID@attu.cs.washington.edu   |  |  |  |  |
| OPEN EDITORS     X Welcome     333 | Strategies 'Enter' to confirm your input or 'Escap-<br>Now file                                  | p' to cancel   |  |  |  |
| 8                                  | Open folder<br>Add workspace folder  | Tools and languages<br>Install support for JaveScript, Python, PHP, Azure, Docker and more         |  |  |  |
| ₽                                  | Recent   | Settings and keybindings<br>Install the settings and keyboard shortcuts of Vim Sublime, Atom and c |  |  |  |
|                                    |  | Color theme<br>Make the editor and your code look the way you love                                 |  |  |  |
|                                    |  | Learn  |  |  |  |
|                                    | Нер  | Find and run all commands<br>Rapidly access and search commands from the Command Palette (Ctrl+    |  |  |  |
|                                    | Printable keyboard cheatsheet<br>Introductory videos<br>Tips and Tricks<br>Product documentation | Interface overview<br>Get a visual overlay highlighting the major components of the UI             |  |  |  |
|                                    | Gittab repository<br>Stack Overflow<br>Join our Newsletter                                       | Interactive playground<br>Try out essential ection features in a short weikthrough                 |  |  |  |
| > OUTLINE                          | Show welcome page on startup   | <ul> <li>Setting up SSH First attack washingtoneduc (details) Initializing VS Co</li> </ul>        |  |  |  |
| Ø Opening Remote 80 A 0            |  | R C  |  |  |  |

## 8. Click on Open Folder

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|-----|--|---------|----------|--|----|---|
| Q   | 💐 Welcome 🛛 🗙  |         |          |  |    |   |
| Q   | Struct   |         |          | Customize  |    |   |
| es. | Open folder<br>Add workspace vier  |         |          | Tools and languages<br>Install support for JavaScript, Python, PHP, Azure, Docker and more               |    |   |
| ₽   | Recent   |         |          | Settings and keybindings<br>Install the settings and keyboard shortcuts of Vim, Sublime, Atom and others |    |   |
| G   |  |         |          | Color theme<br>Make the editor and your code look the way you love                                       |    |   |
|     |  |         |          | Learn  |    |   |
|     | Help   |         |          | Find and run all commands<br>Rapidly access and search commands from the Command Palette (Ctrl-Shift+P)  |    |   |
|     | Printable keyboard cheatsheet<br>Introductory videos<br>Tips and Tricks<br>Product documentation |         |          | Interface overview<br>Get a visual overlay highlighting the major companents of the UI                   |    |   |
|     | Gittub repository<br>Stack Overflow<br>Join our Newsletter                                       |         |          | Interactive playground<br>Try out essential editor features in a short walkthrough                       |    |   |
|     | Show welcome page on startup   |         |          |  | 50 | 0 |

- 9. Select the folder you would like to work in (If you did the suggested, choose the cse333-20su-NETID folder).
  - a. Folders are nested so if your cse333 folder is inside another folder you can click to it as you would cd using attu, CSE VM, or CSE Virtual Desktop



## 10. You did it!



If you have any issues, feel free to reach out on the Ed discussion board. Some of the TAs have experience setting this up and can help you troubleshoot.