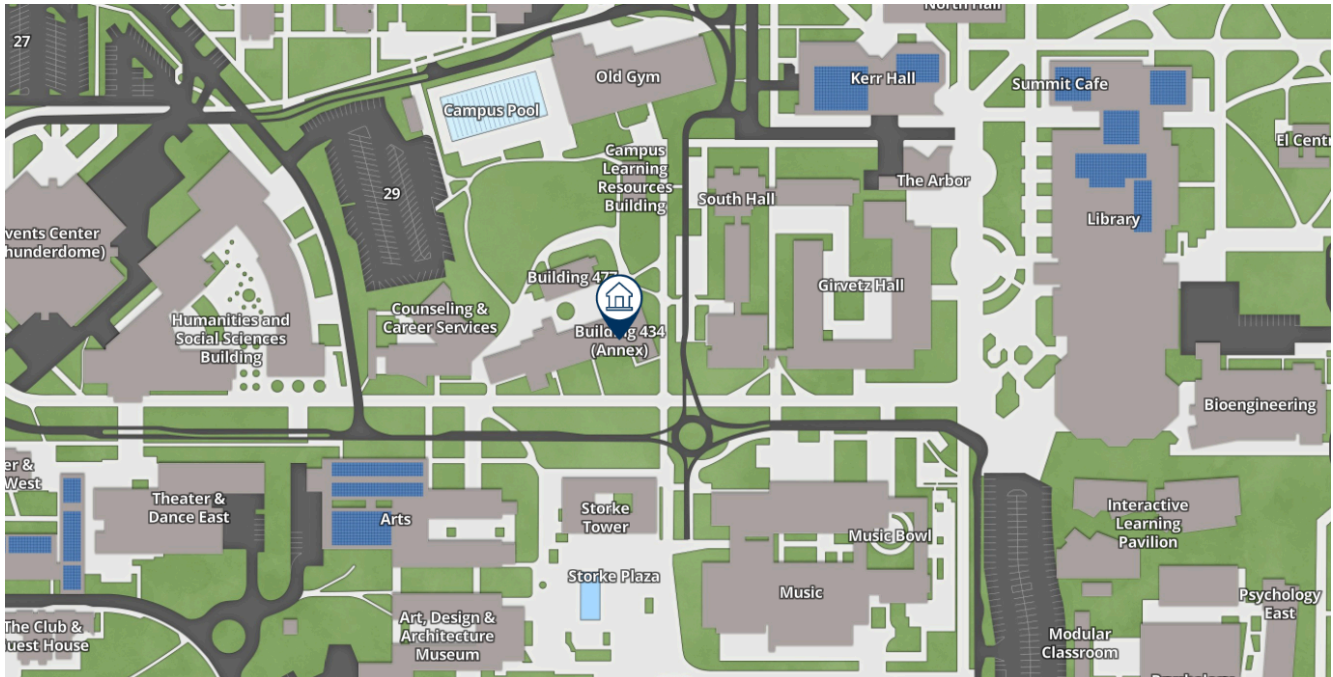


week1-2026-10-02

TAs + office hours:

- Vinayak: **Mon + Thu 2:30 pm–4:00 pm**
- Ben: **Wed + Thu 4:00 pm–5:30 pm**

All office hours in **CSIL Annex (Building 434)**



Do all development on CSIL

Demo how to set up a shortcut in `.ssh/config`

```
Host csil
  HostName csil.cs.ucsb.edu
  User vinayakgajjewar
```

Do not use VSCode Server on CSIL

Instead, use:

- Vim/nano on CSIL, or
- `rsync` / `scp` between CSIL & local FS
- SSHFS (*Vinayak did this option*)

Demo SSHFS

You must use a UCSB Enterprise GitHub repository

1. Go to <https://github.com/ucsb>
2. Open up the `github-guide` repo: <https://github.com/ucsb/github-guide>
3. Click the link to become a member of the UCSB GitHub organization:
https://github.com/orgs/ucsb/sso/sign_up
4. Create a new repository with **visibility set to private**
5. Add your TAs as collaborators (GitHub handles: `BenCarter44` and `vinayakgajjewar`)
6. Create a `README.md` with the following format:

```
CS170 Lab 1
Henry Norkel, Benjamin Carter
January 30th, 2026
```

```
GitHub Link: https://github.com/ucsb/cs170-fun-
project/commit/e941184d2071265b3567ac79a79b51115d9763b7
```

Tiny C refresher:

C is **pass-by-value** by default—if you want pass-by-reference semantics, use **pointers**

Arrays: variables of the **same type** laid out **contiguously in memory**

C does not keep track of length for you

GDB basics:

Cheat sheet: <https://darkdust.net/files/GDB%20Cheat%20Sheet.pdf>

Overview of Lab 0: MyMalloc

Due midnight October 12

Demo setup + initial steps