

# Sam Winborn Gwydir

sam@samgwydir.com 418 College Main, Apt. #309  
(713) 446-0367 College Station, TX 77840

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**OBJECTIVE** Seeking a summer internship position that will provide an opportunity to contribute to important, real-world projects.

**EDUCATION** **Texas A&M University** College Station Texas USA (December 2016)  
Bachelor of Science in Computer Engineering, Computer Science Track

**PERSONAL PROJECTS** **Github** [github.com/gwydirsam](https://github.com/gwydirsam)

## MythNAS

FreeBSD/NAS Mac OS X MythTV ffmpeg OpenSSH rsync ZFS

- Use MythTV and SiliconDust Cable TV tuners together in a custom DVR
- Shows can be recorded and deleted through web interface
- Usage locations include Yuzhno-Sakhalinsk, Russia and Basra, Iraq
- Launchd is used to maintain OpenSSH tunnels out to VPS
- rsync syncs remote laptop and DVR if network connectivity is available
- Make use of VPS in locations around the world as mirrors
- Use ffmpeg to cut commercials out of tv shows

## Database Engine & Blog [github.com/gwydirsam/CSCE315-DBMS](https://github.com/gwydirsam/CSCE315-DBMS)

C++ Boost GNU Readline Getopts CMake Bash

- Wrote Database Engine that implements a SQL like domain specific language
- Designed a CLI blog app on making use of DB backend
- Wrote a simple DSL “shell” for debugging using GNU Readline
- Created custom CMake/Shell scripts to build application and link libraries

## iTerm2-badge-mod [github.com/gwydirsam/iTerm2-Mod](https://github.com/gwydirsam/iTerm2-Mod)

Objective-C

- Moved the per-tab label or “badge” to the bottom right
- Submitted Pull Request to iTerm2 Author (now issue #3508)
- The option to move the badge is now part of the version 4 milestone

## spacemacs [github.com/syl20bnr/spacemacs](https://github.com/syl20bnr/spacemacs)

Emacs-Lisp Ruby

- Added spacemacs icon to “emacs-mac” homebrew formula
- Actively help users in IRC channel
- Several small bug fixes and Issues submitted